# 沈阳科通新材料有限公司

SHENYANG KETONG NEW MATERIALS CO., LTD.

# 沈阳科通塑胶有限公司

SHENYANG KETONG PLASTICS CO., LTD.

科技为先　通达四海

TECHNOLOGY FIRST, CONNECTING THE WORLD






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# COMPANY PROFILE
# 公司简介

沈阳科通塑胶有限公司是一家专业从事功能性高分子材料研发与生产的高新技术企业，产品覆盖高分子相容剂、增韧剂、功能性粘合树脂等多个领域；公司占地 3 万平方米，进口生产线 10 余条，具备年产 5 万吨的生产能力。经过十几年的技术开发，已申请国家专利数十项。

沈阳科通新材料有限公司作为沈阳科通塑胶有限公司的第二工厂，2023 年落成于辽宁沈阳，工厂占地 30 余亩，建筑面积 2 万平方米，投入 10 条产线，计划产能 6 万吨 / 年。

优秀的企业文化，先进的管理体系，高品质的产品和服务，使得企业多年来保持了持续快速稳定的发展；公司设有华东、华南、西南办事处，产品畅销全国，并出口亚洲、美洲、欧洲等地区的多个国家，受到国内外新老客户的好评。

“科技为先，通达四海”，沈阳科通企业愿与您携手共进，共创未来。

Shenyang Ketong Plastics Co., Ltd. is a high-tech enterprise specializing in the research and development and production of functional polymer materials, covering many fields such as polymer compatibilizers, toughening agents, and functional adhesive resins. The company covers an area of 30,000 square meters, has more than 10 imported production lines, and has an annual production capacity of 50,000 tons. After more than ten years of technological development, it has applied for dozens of national patents.

As the second production base of Shenyang Ketong Plastic Co., Ltd., Shenyang Ketong New Materials Co., Ltd. was completed in Shenyang, Liaoning Province in 2023. The factory covers an area of more than 30 mu, with a building area of 20,000 square meters. It is equipped with 10 production lines and has a designed annual production capacity of 60,000 tons.

Excellent corporate culture, advanced management system, high-quality products and services enable the company to maintain continuous, rapid and stable development over the years. The company has offices in East China, South China and Southwest China. Its products sell well all over the country and are exported to many countries in Asia, America, Europe and other regions, and are well received by new and old customers at home and abroad.

"Technology First, Connecting the World" Shen ya ng Ketong Plastic Co., Ltd. is willing to work with y ou to create a better future.




## 发展历程 ▷ DEVELOPMENT HISTORY

**2003** ⇒ 成立沈阳科通塑胶有限公司，建立第一工厂
Shenyang Ketong Plastic Co., Ltd. was established and the first factory was built.

**2005** ⇒ 建立华南办事处
South China Office was established.

**2007** ⇒ 建立华东办事处
East China Office was established.

**2008** ⇒ 建立西南办事处
Southwest Office was established.

**2009** ⇒ 成立国际贸易事业部
the International Trade Division was established.

**2021** ⇒ 建立科通企业第二工厂，科通新材料有限公司
the second factory of Ketong Enterprise, Ketong New Material Co., Ltd., was established.

**2024** ⇒ 科通新材料有限公司全面投产
Ketong New Material Co., Ltd. will be fully put into production.

## 企业文化 ▷ CORPORATE CULTURE

**企业使命：**

在追求全体员工物质和精神两方面幸福的同时，为客户创造价值，为社会发展做贡献。

**企业愿景：**

成为全体员工的幸福家园，成为行业第一品牌，创百年企业。

**Corporate mission:**

While pursuing the material and spiritual happiness of all employees, we create value for customers and contribute to social development.

**Company vision:**

Become a happy home for all employees, become the No. 1 brand in the industry, and create a century-old enterprise.

## 厂房展示 ▷ FACTORY DISPLAY












## 产品展示 ▷ PRODUCT DISPLAY



聚丙烯系列相容剂
Polypropylene Series Compatibilizer



ABS 系列相容剂
ABS Series Compatibilizer



尼龙系列增韧剂
Nylon Series Toughening Agent



PE 系列相容剂
PE Series Compatibilizer



聚酯系列增韧剂
Polyester Series Toughening Agent



粘合树脂
Adhesive Resin



TPE 弹性体包胶系列相容剂
TPE Elastomer Overmolding Series Compatibilizer



PC 系列增韧剂
PC Series Toughening Agent



PPO 系列相容剂
PPO Series Compatibilizer



EVA系列相容剂
EVA Series compatibilizer



POM 系列相容剂
POM Series Toughening Agent



可降解系列相容剂
Biodegradable Series Compatibilizer

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PE Series Compatibilizer

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Biodegradable Series Compatibilizer

# 聚丙烯系列相容剂

## POLYPROPYLENE SERIES COMPATIBILIZER

## 产品介绍

PRODUCT INTRODUCTION

KT-1、KT-1D、KT-1H 为马来酸酐接枝聚丙烯；作为一种高性能功能化助剂，主要充当聚丙烯与极性材料之间的“分子桥梁”，产品具有优异的反应活性，流动性高，易于加工；其稳定的接枝率确保了加工过程中的高效反应与均一品质。主要应用于玻纤增强聚丙烯，矿物填充聚丙烯以及聚丙烯与极性树脂合金等领域，诸如：汽车零部件、家电、家具等。

KT- 1, KT- 1D and KT- 1H are maleic anhydride grafted polypropylene. As high-performance functional additives, they mainly act as a molecular bridge between polypropylene and polar materials.These products feature excellent reactivity, high fluidity and good processability. Stable grafting rate ensures efficient reaction and consistent quality during processing.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-1 | KT-1D | KT-1H |
|---|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | PP-H | PP-H | PP-H |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 中<br>Medium | 高<br>High | 高<br>High |
| 熔融指数<br>Melt Flow Rate(190°C/2.16kg)) | ISO-1133 | g/10min | 90-120 | 90-120 | 60-100 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.91-0.95 | 0.91-0.95 | 0.90-0.92 |

注：中 0.4-0.8%；高 >0.8%
Note: Medium 0.4-0.8%; High >0.8%

建议用量：3%-5%，适量增减。
Reference Dosage: 3%-5%, can be increased or decreased appropriately.

# 低气味聚丙烯系列相容剂

## LOW-ODOR POLYPROPYLENE SERIES COMPATIBILIZER

## 产品介绍

PRODUCT INTRODUCTION

LEP-1B、LEP-1K为马来酸酐接枝聚丙烯；该系列产品具有高反应活性，低VOC的特点；主要应用于玻纤增强聚丙烯，矿物填充聚丙烯以及聚丙烯与极性树脂合金等领域；广泛应用于对气味有严格要求的PP制品领域，例如：汽车内饰件等。

LEP-1B and LEP-1K are maleic anhydride grafted polypropylene.This product series features high reactivity and low VOC.They are mainly used in glass fiber reinforced polypropylene, mineral filled polypropylene and polypropylene alloys with polar resins.They are widely applied in PP products with strict odor requirements, such as automotive interior parts.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | LEP-1B | LEP-1K |
|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | PP-H | PP-B |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 高<br>High | 高<br>High |
| 熔融指数<br>Melt Flow Rate(190°C/2.16kg) | ISO-1133 | g/10min | ≥80 | ≥60 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.90-0.92 | 0.90-0.92 |
| 气味等级<br>Odor Grade | PV3900 | --- | 4.0 | 3.5 |

注：高 >0.8%
Note: High >0.8%

建议用量：3%-5%，适量增减。
Reference Dosage: 3%-5%, can be increased or decreased appropriately.

# ABS 系列相容剂

## ABS SERIES COMPATIBILIZER

### 产品介绍
PRODUCT INTRODUCTION

KT-2、KT-2H、KT-3 为马来酸酐接枝 ABS；KT-2、KT-2H 可作为玻纤增强或矿物填充 ABS 的界面改性剂，或 PC 与 ABS 共混合金的相容剂。KT-3 用于玻纤增强 ABS 效果更佳。

KT-2, KT-2H and KT-3 are maleic anhydride grafted ABS.KT-2 and KT-2H can be used as interfacial modifiers for glass fiber reinforced or mineral filled ABS, or compatibilizers for PC/ABS blends.KT-3 provides better performance in glass fiber reinforced ABS.

### 典型参数
TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-2 | KT-2H | KT-3 |
|---|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | ABS | ABS | ABS |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 高<br>High | 高<br>High | 很高<br>Very High |
| 熔融指数<br>Melt Flow Rate(200°C/5kg) | ISO-1133 | g/10min | 1.0-4.0 | 0.5-2.5 | 1.0-3.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 1.03-1.08 | 1.03-1.07 | 1.00-1.05 |

注：高 >0.8%；很高≧ 4.0%
Note: High >0.8%, Very High ≧ 4.0%

建议用量：3%-5%，适量增减。
Reference Dosage: 3%-5%, can be increased or decreased appropriately.

# ABS 系列相容剂

## ABS SERIES COMPATIBILIZER

### 产品介绍

PRODUCT INTRODUCTION

相容剂 KT-2M 为聚丁二烯橡胶、苯乙烯、丙烯腈与马来酰亚胺单体的多元共聚物；主要用于 PA 与 ABS 合金材料的相容剂，搭配尼龙增韧剂使用，可有效改善合金的相容性，提高合金的韧性。

The compatibilizer KT-2M is a multicomponent copolymer composed of polybutadiene rubber, styrene, acrylonitrile, and maleimide monomer. It is mainly used as a compatibilizer for PA/ABS alloy materials. When used together with a nylon toughening agent, it can effectively improve the compatibility and toughness of the alloy.

### 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-2M |
|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | ABS |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | --- |
| 熔融指数<br>Melt Flow Rate(265°C/10kg) | ISO-1133 | g/10min | 20-40 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 1.05-1.09 |

建议用量：5%-10%，适量增减。

Reference Dosage: 3%-5%, can be increased or decreased appropriately.

# ABS 系列增韧剂

## ABS SERIES TOUGHENING AGENT

### 产品介绍

PRODUCT INTRODUCTION

增韧剂 KT-4 为高分子量的丁二烯类三元共聚物；主要用于 ABS 增韧，提高 ABS 的抗冲击性；还可直接与 ABS 原料、回料等混合，直接注射成型，提高材料的抗冲击强度。

The toughening agent KT-4 is a high molecular weight butadiene-based terpolymer. It is mainly used to enhance the toughness of ABS and improve its impact resistance. It can also be directly mixed with ABS raw materials, recycled materials, etc., for injection molding, thereby increasing the material' s impact strength.

### 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-4 |
|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | ABS 高胶粉<br>ABS high rubber powder |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | --- |
| 熔融指数<br>Melt Flow Rate(200°C/5kg) | ISO-1133 | g/10min | --- |
| 密度<br>Density | ISO-1183 | g/cm$^3$ | 0.96-1.00 |

建议用量：3%-10%，适量增减。
Note: Reference Dosage: 3%-10%, can be increased or decreased appropriately.

# 尼龙系列增韧剂

## NYLON SERIES TOUGHENING AGENT

## 产品介绍

PRODUCT INTRODUCTION

增韧剂 KT-913 为马来酸酐接枝聚烯烃类弹性体；主要用于 PA6、PA66 增韧、增强增韧、阻燃增强增韧，提高材料的低温性能以及抗冲击性，并可使其保持较好的流动性，易于成型加工。增韧剂 KT-913A 为马来酸酐接枝聚烯烃类弹性体；既可用于改性 PA6、PA66；还可用于高温尼龙改性，诸如：增韧、增强增韧；其具有较高的热分解温度，不会在高温加工过程中发生降解，能够有效保持材料的力学性能。

KT-913: Maleic anhydride grafted polyolefin elastomer for toughening, reinforced toughening and flame-retardant reinforced toughening of PA6 & PA66. Improves low-temperature performance and impact resistance with good flowability and processability.KT-913A: Maleic anhydride grafted polyolefin elastomer for PA6, PA66 and high-temperature polyamide modification. High thermal stability, no degradation at high temperatures, and excellent mechanical properties.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-913 | KT-913A |
|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | POE | POE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 中<br>Medium | 中<br>Medium |
| 熔融指数<br>Melt Flow Rate(190°C/2.16kg) | ISO-1133 | g/10min | 0.5-2.0 | 0.5-2.0 |
| 密度<br>Density | ISO-1183 | g/cm$^3$ | 0.86-0.88 | 0.86-0.88 |

注：中 0.4-0.8%
Note: Medium 0.4-0.8%

建议用量：3%-25%，适量增减
Reference Dosage: 3%-25%, can be increased or decreased appropriately.

**PA66+ 增韧剂（20%） 添加不同增韧剂的冲击强度以及流动性表现**
**PA66+Toughening Agent(20%) The effect of different toughening agents on impact strength and flow behavior.**

| 配方体系<br>Formulation system | | PA66+KT-913(20%) | PA66+ 竞品 (20%)<br>PA66+Others (20%) |
|---|---|---|---|
| 拉伸强度<br>Tensile Strength | Mpa | 46 | 46 |
| 悬臂梁缺口冲击强度 KJ/m2<br>NotchedIzodImpact | 23℃ | 83.9 | 84.5 |
| | -30℃ | 28.2 | 28.7 |
| | -40℃ | 24.0 | 23.9 |
| | -50℃ | 18.3 | 18.6 |
| 熔融指数<br>Melt Flow Rate | 275℃ /2.16kg | 1.6 | 1.1 |

# 尼龙系列增韧剂

## NYLON SERIES TOUGHENING AGENT

### 产品介绍
PRODUCT INTRODUCTION

增韧剂 KT-915H 为马来酸酐接枝聚烯烃类弹性体；主要用于 PA6、PA66 增韧、增强增韧、阻燃增强增韧；因其具有高反应活性，用于 PA66 增韧或者超韧时，具有更好的冲击强度。

The toughening agent KT-915H is a maleic anhydride grafted polyolefin elastomer. It is mainly used for toughening PA6 and PA66, enhancing toughness, and flame-retardant reinforced toughening. Due to its high reactivity,it provides superior impact strength when used for toughening PA66 or achieving super-toughness.

### 典型参数
TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-915H |
|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | POE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 高<br>High |
| 熔融指数<br>Melt Flow Rate(190°C/2.16kg) | ISO-1133 | g/10min | 0.3-1.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.86-0.88 |

注：高 >0.8%
Note: High>0.8%

建议用量：3%-25%，适量增减
Reference Dosage: 3%-25%, can be increased or decreased appropriately.

# 尼龙系列增韧剂

## NYLON SERIES TOUGHENING AGENT

### 产品介绍

PRODUCT INTRODUCTION

增韧剂 KT-9015 为马来酸酐接枝聚烯烃类弹性体；该产品具有良好的加工性和填料分散性，易于进行挤出、注塑和吹塑等加工成型；同时其也具有优异的抗冲击性能，良好的柔韧性和弹性，可用于 PA6、PA66 增韧、增强增韧、阻燃增强增韧。

The toughening agent KT-9015 is a maleic anhydride grafted polyolefin elastomer. This product offers good processability and filler dispersion, making it easy to process through extrusion, injection molding, and blow molding. It also exhibits excellent impact resistance, good lexibility, and elasticity, and can be used for toughening PA6 and PA66, enhancing toughness, and flame-retardant reinforced toughening.

### 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-9015 |
|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | POE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 高<br>High |
| 熔融指数<br>Melt Flow Rate(190°C/2.16kg) | ISO-1133 | g/10min | 4.0-9.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.89-0.92 |

注：高 >0.8%
Note: High >0.8%

建议用量：3%-25%，适量增减
Reference Dosage: 3%-25%, can be increased or decreased appropriately.

# 尼龙系列增韧剂

## NYLON SERIES TOUGHENING AGENT

## 产品介绍

PRODUCT INTRODUCTION

增韧剂 KT-915、KT-915A、KT-915B 为马来酸酐接枝聚烯烃类弹性体；主要用于 PA6、PA66 增韧、增强增韧、阻燃增强增韧，它能显著提升尼龙复合材料的缺口冲击强度与延展性。

The toughening agents KT-915, KT-915A, and KT-915B are maleic anhydride grafted polyolefin elastomers. They are mainly used for toughening PA6 and PA66, enhancing toughness, and flame-retardant reinforced toughening, improving the material's impact resistance and molding processability.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-915 | KT-915A | KT-915B |
|---|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | POE | POE | POE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 高<br>High | 高<br>High | 中<br>Medium |
| 熔融指数<br>Melt Flow Rate(190°C/2.16kg) | ISO-1133 | g/10min | 0.5-1.5 | 0.5-1.5 | 0.5-1.5 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.86-0.88 | 0.86-0.88 | 0.86-0.89 |

注：中 0.4-0.8%；高 >0.8%
Note: Medium 0.4-0.8%; High >0.8%

建议用量：3%-25%，适量增减
Reference Dosage: 3%-25%, can be increased or decreased appropriately.

# 尼龙系列增韧剂

## NYLON SERIES TOUGHENING AGENT

### 产品介绍

PRODUCT INTRODUCTION

增韧剂KT-915E、KT-915F、KT-915K为马来酸酐接枝聚烯烃类弹性体；可用于PA6、PA66增韧、增强增韧、阻燃增强增韧，它能显著提升尼龙材料的缺口冲击强度。也可用于无卤阻燃电缆料体系，改善树脂与填料的相容性，有效提升材料的延伸率。

KT-915E, KT-915F and KT-915K tougheners are maleic anhydride grafted polyolefin elastomers.They can be used for toughening, reinforced toughening and flame-retardant reinforced toughening of PA6 and PA66, and can significantly improve the notched impact strength of nylon materials.They can also be applied in halogen-free flame-retardant cable compounds to enhance the compatibility between resin and fillers, and effectively improve the elongation of materials.

### 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-915E | KT-915F | KT-915K |
|---|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | POE | POE | POE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 高<br>High | 高<br>High | 中<br>Medium |
| 熔融指数<br>Melt Flow Rate(190°C/2.16kg) | ISO-1133 | g/10min | ≥0.2 | 1.5-4.5 | ≥0.2 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.86-0.88 | 0.86-0.88 | 0.86-0.88 |

注：中 0.4-0.8%；高 >0.8%
Note: Medium 0.4-0.8%; High >0.8%

建议用量：3%-25%，适量增减
Reference Dosage: 3%-25%, can be increased or decreased appropriately.

# 尼龙系列增韧剂

NYLON SERIES TOUGHENING AGENT

## 产品介绍

PRODUCT INTRODUCTION

增韧剂 KT-916K 为马来酸酐接枝聚烯烃类弹性体；主要用于 PA6、PA66 增韧、增强增韧、阻燃增强增韧，提高材料抗冲击性；其具有较低的玻璃化转变温度，可赋予材料优异的低温性能，适用于常温到-50℃。

The toughening agent KT-916K is a maleic anhydride grafted polyolefin elastomer. It is mainly used for toughening PA6 and PA66, enhancing toughness, and flame-retardant reinforced toughening. It improves the material's impact resistance and low-temperature resistance, suitable for temperatures ranging from room temperature to -50° C.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-916K |
|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | 弹性体<br>Elastomer |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 高<br>High |
| 熔融指数<br>Melt Flow Rate(235°C/5kg) | ISO-1133 | g/10min | 9.0-13.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.86-0.88 |

注：高 >0.8%
Note: High >0.8%

建议用量：3%-25%，适量增减
Reference Dosage: 3%-25%, can be increased or decreased appropriately.

# 尼龙系列增韧剂

## NYLON SERIES TOUGHENING AGENT

## 产品介绍

PRODUCT INTRODUCTION

增韧剂 KT-915C、KT-915CA 为马来酸酐接枝聚烯烃类弹性体；用于 PA6、PA66 增韧、增强增韧、阻燃增强增韧，提高材料抗冲击性。

The toughening agents KT-915C and KT-915CA are maleic anhydride grafted polyolefin elastomers. They are used for toughening PA6 and PA66, enhancing toughness, and flame-retardant reinforced toughening,improving the material's impact resistance.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-915C | KT-915CA |
|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | POE | POE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 中<br>Medium | 中<br>Medium |
| 熔融指数<br>Melt Flow Rate(190°C/2.16kg) | ISO-1133 | g/10min | ≧ 0.3 | ≧ 0.5 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.88-0.91 | 0.88-0.90 |

注：中 0.4-0.8%
Note: Medium 0.4-0.8%

建议用量：5%-20%，适量增减
Reference Dosage: 5%-20%, can be increased or decreased appropriately.

# 尼龙系列增韧剂

## NYLON SERIES TOUGHENING AGENT

### 产品介绍

PRODUCT INTRODUCTION

增韧剂 KT-903、KT-906 为马来酸酐接枝聚烯烃类弹性体；主要用于 PA6、PA66 增韧、增强增韧、阻燃增强增韧，提高材料抗冲击性，是性价比极高的尼龙系列增韧剂。

The toughening agents KT-903 and KT-906 are maleic anhydride grafted polyolefin elastomers. They are mainly used for toughening PA6 and PA66, enhancing toughness, and flame-retardant reinforced toughening, improving the material's impact resistance. They are highly cost-efective Nylon Series Toughening Agents.

### 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-903 | KT-906 |
|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | POE | POE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 中<br>Medium | 中<br>Medium |
| 熔融指数<br>Melt Flow Rate(190°C/2.16kg) | ISO-1133 | g/10min | 0.5-2.0 | ≧ 0.1 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.90-0.92 | 0.87-0.89 |

注：中 0.4-0.8%
Note: Medium 0.4-0.8%

建议用量：3%-20%，适量增减
Reference Dosage: 3%-20%, can be increased or decreased appropriately.

# 尼龙系列增韧剂

## NYLON SERIES TOUGHENING AGENT

### 产品介绍

PRODUCT INTRODUCTION

增韧剂 KT-9、KT-9C 为马来酸酐接枝聚烯烃类弹性体；主要用于 PA6 增韧、增强增韧，提高材料抗冲击性同时可保持尼龙材料较好的强度。

KT-9 and KT-9C tougheners are maleic anhydride grafted polyolefin elastomers, mainly applied for tough enting and reinforced toughening of PA6. hey can enhance the impact resistance of the material while retaini ng favorable strength of nylon.

### 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-9 | KT-9C |
|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | POE | POE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 中<br>Medium | 中<br>Medium |
| 熔融指数<br>Melt Flow Rate(190°C/2.16kg) | ISO-1133 | g/10min | ≧0.8 | ≧0.2 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.87-0.90 | 0.87-0.90 |

注：中 0.4-0.8%
Note: Medium 0.4-0.8%

建议用量：3%-20%，适量增减
Reference Dosage: 3%-20%, can be increased or decreased appropriately.

# 尼龙系列增韧剂

## NYLON SERIES TOUGHENING AGENT

### 产品介绍
PRODUCT INTRODUCTION

增韧剂 KT-7、KT-8 为马来酸酐接枝三元乙丙橡胶；用于 PA6、PA66 增韧、增强增韧，提高材料抗冲击性，提升材料的耐寒性，改善加工性并降低吸水率。

The toughening agents KT-7 and KT-8 are maleic anhydride grafted EPDM (ethylene propylene diene monomer) rubber. They are used for toughening PA6 and PA66, enhancing toughness, improving the material's impact resistance, increasing cold resistance, enhancing processability, and reducing water absorption.

### 典型参数
TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-7 | KT-8 |
|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | EPDM | EPDM |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 中<br>Medium | 中<br>Medium |
| 熔融指数<br>Melt Flow Rate(190°C/2.16kg) | ISO-1133 | g/10min | 0.2-2.0 | 0.2-2.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.86-0.88 | 0.86-0.88 |

注：中 0.4-0.8%
Note: Medium 0.4-0.8%

建议用量：3%-25%，适量增减。
Reference Dosage: 3%-25%, can be increased or decreased appropriately.

# 尼龙系列增韧剂

## NYLON SERIES TOUGHENING AGENT

### 产品介绍

PRODUCT INTRODUCTION

增韧剂KT-25为马来酸酐接枝苯乙烯类弹性体；用于PA6增韧，PA66增韧，增强增韧以及阻燃增强增韧，提高尼龙抗冲击性；也可用于TPE包胶尼龙，改善TPE体系中各组分的相容性；还可作为磁性涂料的分散剂来使用，改善体系中各组分的分散性。

The toughening agent KT-25 is a maleic anhydride grafted styrenic elastomer. It is used for toughening PA6 and PA66, as well as for reinforced toughening and flame?retardant reinforced toughening to improve the impact resistance of nylon. It can also be applied in TPE overmolding on nylon to improve the compatibility of components in the TPE system, and serve as a dispersant in magnetic coatings to enhance the dispersion of various ingredients in the system.

### 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-25 |
|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | SEBS |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 高<br>High |
| 熔融指数<br>Melt Flow Rate(190°C/5kg) | ISO-1133 | g/10min | ≧ 1.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.91-0.93 |

注：高 >0.8%
Note: High >0.8%

建议用量：3%-15%，适量增减
Reference Dosage: 3%-15%, can be increased or decreased appropriately.

# PE 系列相容剂

## PE SERIES COMPATIBILIZER

## 产品介绍

PRODUCT INTRODUCTION

相容剂 KT-12 为马来酸酐接枝聚乙烯；主要用于塑粉、静电喷涂等；用于木塑领域，它能有效改善 PE 与填充之间的界面相容性，使得填充物能够均匀的分散。

The compatibilizer KT-12 is maleic anhydride grafted polyethylene. It is mainly used in plastic powders, electrostatic spraying, and similar applications. In the wood-plastic composite field, it effectively improves the interfacial compatibility between PE and fillers, allowing for uniform dispersion of the fillers.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-12 |
|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | HDPE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 高<br>High |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | ≧ 1.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.92-0.96 |

注：高 >0.8%
Note: High > 0.8%

建议用量：2%-10%，适量增减
Reference Dosage: 2%-10%, can be increased or decreased appropriately.

# PE 系列相容剂

## PE SERIES COMPATIBILIZER

## 产品介绍

PRODUCT INTRODUCTION

相容剂 KT-12A、KT-12D 为马来酸酐接枝聚乙烯；可用于 PA 增韧、增强增韧；用于 PE 与含有极性基团树脂合金的相容（如 PA/PE 合金）；且具有优异的粘结性能，与金属和聚烯烃有很好的粘结力，可用于静电喷涂、木塑、电缆（高填充无卤电缆料），也可作为沥青防水添加剂。

The compatibilizers KT-12A, KT-12D are maleic anhydride grafted polyethylene. They can be used for toughening PA and enhancing toughness. They are suitable for compatibilizing PE with resins containing polar groups (such as PA/PE alloys). Additionally, they exhibit excellent bonding properties, with strong adhesion to metals and polyolefins. They can be applied in electrostatic spraying, wood-plastic composites, cables (highly filled halogen-free cable materials), and as additives for asphalt waterproofing.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-12A | KT-12D |
|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | M-LLDPE | M-LLDPE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 高<br>High | 高<br>High |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | ≥4.0 | 1.0-4.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.90-0.94 | 0.90-0.94 |

注：高 >0.8%
Note: High > 0.8%

建议用量：3%-10%，适量增减
Reference Dosage: 3%-10%, can be increased or decreased appropriately.

# PE 系列相容剂

## PE SERIES COMPATIBILIZER

## 产品介绍

PRODUCT INTRODUCTION

相容剂 KT-12B、KT-12B01、KT-12B05 为马来酸酐接枝聚乙烯；可用于 PA 增韧、增强增韧；用于 PE 与含有极性基团树脂合金的相容（如 PA/PE 合金）；且具有优异的粘结性能，与金属和聚烯烃有很好的粘结力，可用于静电喷涂、木塑、电缆（高填充无卤电缆料）。

KT-12B, KT-12B01 and KT-12B05 are maleic anhydride grafted polyethylene.They can be used for toughening and reinforced toughening of PA, and as compatibilizers for alloys of PE and polar resins (such as PA/PE blends).With excellent adhesion to metals and polyolefins, they are applicable to electrostatic spraying, wood-plastic composites and cables (highly filled halogen-free cable compounds).

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-12B | KT-12B01 | KT-12B05 |
|---|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | LLDPE | LLDPE | LLDPE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 高<br>High | 高<br>High | 中<br>Meduim |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | ≧ 3.0 | ≧ 0.3 | 0.4-2.5 |
| 密度<br>Density | ISO-1183 | g/cm$^3$ | 0.90-0.94 | 0.90-0.94 | 0.90-0.93 |

注：中0.4-0.8%；高 >0.8%
Note: Medium 0.4-0.8%； High > 0.8%

建议用量：3%-10%，适量增减
Reference Dosage: 3%-10%, can be increased or decreased appropriately.

# PE 系列相容剂

## PE SERIES COMPATIBILIZER

## 产品介绍

PRODUCT INTRODUCTION

相容剂 KT-1208B、KT-1220B 为马来酸酐接枝聚乙烯；可用于氢氧化镁等无卤阻燃填料填充复合电缆料，有效改善无机填料与基体树脂之间的界面相容性，提升力学性能；还可用于流延膜等其他领域。

The compatibilizers KT-1208B and KT-1220B are maleic anhydride grafted polyethylene. They can be used in halogen-free flame-retardant filler-filled composite cable materials, such as those with magnesium hydroxide, effectively improving the interfacial compatibility between inorganic fillers and the matrix resin, and enhancing mechanical properties. They are also applicable in other fields, such as cast films.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-1208B | KT-1220B |
|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | LLDPE | LLDPE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 高<br>High | 中<br>Medium |
| 熔融指数<br>Melt Flowl Rate(190℃ /2.16kg) | ISO-1133 | g/10min | 3.5-10.0 | 20-30 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.90-0.95 | 0.90-0.95 |

注：中 0.4-0.8%；高 >0.8%
Note: Medium 0.4-0.8%; High > 0.8%

建议用量：3%-10%，适量增减
Reference Dosage: 3%-10%, can be increased or decreased appropriately.

# 聚酯系列增韧剂

## POLYESTER SERIES TOUGHENING AGENT

## 产品介绍

PRODUCT INTRODUCTION

增韧剂 KT-22、KT-33 为乙烯 - 丙烯酸酯 - 甲基丙烯酸缩水甘油酯三元共聚物；用于 PBT、PET 增韧、增强增韧、阻燃增强增韧；也用作 PC/PBT、PC/PET 合金相容剂。

The toughening agents KT-22 and KT-33 are ethylene-acrylate-glycidyl methacrylate terpolymers. They are used for toughening PBT and PET, enhancing toughness, and flame-retardant reinforced toughening. They also serve as compatibilizers for PC/PBT and PC/PET alloys.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-22 | KT-33 |
|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | EMA | EMA |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | GMA wt% | 高<br>High | 高<br>High |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | 1.5-4.0 | 1.0-4.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.92-0.97 | 0.92-0.95 |

注：高 >0.8%
Note: High > 0.8%

建议用量：3%-20%，适量增减
Reference Dosage: 3%-20%, can be increased or decreased appropriately.

# 聚酯系列增韧剂

## POLYESTER SERIES TOUGHENING AGENT

## 产品介绍

PRODUCT INTRODUCTION

增韧剂 KT-30 为甲基丙烯酸缩水甘油脂接枝聚乙烯；主要用于 PBT 增强增韧、阻燃增强增韧。

The toughening agent KT-30 is glycidyl methacrylate grafted polyethylene. It is mainly used for enhancing toughness and lame-retardant reinforced toughening of PBT.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-30 |
|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | PE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | GMA wt% | 中<br>Medium |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | 4.0-8.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.90-0.93 |

注：中 0.4-0.8%
Note: Medium 0.4-0.8%

建议用量：3%-5%，适量增减
Reference Dosage: 3%-5%, can be increased or decreased appropriately.

# 聚酯系列增韧剂

POLYESTER SERIES TOUGHENING AGENT

## 产品介绍

PRODUCT INTRODUCTION

增韧剂 KT-35为甲基丙烯酸缩水甘油脂接枝乙烯类弹性体；用于 PBT 增韧、增强增韧、阻燃增强增韧。

The toughening agent KT-35 is glycidyl methacrylate grafted ethylene elastomer.

It is used for toughening,reinforced toughening, and flame-retardant reinforced toughening of PBT

## ·典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-35 |
|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | POE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | GMA wt% | 高<br>High |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | 3.5-5.5 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.87-0.89 |

注：高 >0.8%

Note: High > 0.8%

建议用量：3%-20%，适量增减

Reference Dosage: 3%-20%, can be increased or decreased appropriately.

# 聚酯系列增韧剂

POLYESTER SERIES TOUGHENING AGENT

## 产品介绍

PRODUCT INTRODUCTION

增韧剂KT-35G、KT-35G01、KT-3505、KT-3506为甲基丙烯酸缩水甘油脂接枝乙烯类弹性体；用于PBT增韧、增强增韧、阻燃增强增韧。

KT-35G, KT-35G01, KT-3505 and KT-3506 tougheners are glycidyl methacrylate grafted ethylene elastomers.They are used for toughening, reinforced toughening and flame-retardant reinforced toughening of PBT.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-35G | KT-35G01 | KT-3505 | KT-3506 |
|---|---|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | POE | POE | POE | POE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | GMA wt% | 中<br>Medium | 高<br>High | 中<br>Medium | 中<br>Medium |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | 1.0-3.0 | 0.5-2.5 | 0.5-2.0 | 2.0-5.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.87-0.89 | 0.86-0.88 | 0.88-0.90 | 0.87-0.89 |

注：中 0.4-0.8%；高 >0.8%
Note: Medium 0.4-0.8%; High > 0.8%

建议用量：3%-20%，适量增减
Recommended dosage: 3%–20%, adjusted appropriately as needed.

# 聚酯系列增韧剂

## POLYESTER SERIES TOUGHENING AGENT

## 产品介绍

PRODUCT INTRODUCTION

增韧剂 KT-3502 为甲基丙烯酸缩水甘油脂接枝聚烯烃类弹性体；可用于 PET 打包带类产品以及 PBT 增韧、增强增韧、阻燃增强增韧。

The toughening agent KT-3502 is a glycidyl methacrylate grafted polyolefin elastomer. It can be used in PET strapping products as well as for toughening PBT, enhancing toughness, and lame-retardant reinforced toughening.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-3502 |
|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | POE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | GMA wt% | 低<br>Low |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | 2.5-3.5 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.88-0.90 |

注：低 <0.4%；
Note: Low < 0.4%

建议用量：3%-10%，适量增减
Reference Dosage: 3%-10%, can be increased or decreased appropriately.

# 粘合树脂

## ADHESIVE RESIN

### 产品介绍
PRODUCT INTRODUCTION

粘合树脂 KT-NJ001 为马来酸酐接枝聚乙烯；作为聚乙烯与其它极性材料（PA，EVOH...）共挤时的粘接剂，为材料提供优异的粘接性；因其具有高反应活性，也可作为浓缩母粒与其他聚烯烃共混使用；还可作为无卤阻燃电缆料的相容剂。

The adhesive resin KT-NJ001 is maleic anhydride grafted polyethylene. It serves as a bonding agent during the co-extrusion of polyethylene with other polar materials (such as PA, EVOH, etc.), providing excellent adhesion to the materials. Due to its high reactive activity, it can also be used as a concentrated masterbatch blended with other polyolefins. Additionally, it can function as a compatibilizer for halogen-free lame-retardant cable materials.

### 典型参数
TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-NJ001 |
|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | LLDPE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>CompanyStandard | MAH wt% | 高<br>High |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | 0.3-1.5 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.91-0.93 |
| 熔点 DSC<br>Melting Point DSC | ISO 11357 | ℃ | 122 |
| 拉伸强度（断裂）<br>Tensile Strength(Break) | GB/T1040 | Mpa | >14 |
| 伸长率（断裂）<br>Elongation(Break) | GB/T1040 | % | >600 |

注：高 >0.8%
Note: High > 0.8%

# 粘合树脂

## ADHESIVE RESIN

### 产品介绍

PRODUCT INTRODUCTION

该系列产品为马来酸酐接枝聚乙烯；主要作为多层共挤阻隔薄膜的粘接层，与 EVOH、PA 都具有优异的粘接效果；此系列产品晶点凝胶少，且透明度好。

This series of products consists of maleic anhydride grafted polyethylene. It is primarily used as the adhesive layer in multilayer co-extruded barrier films, ofering excellent bonding efects with EVOH and PA. This series features minimal crystal point gel and good transparency.

### 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-NJP2201 | KT-NJM2203 | KT-NJM3205 | KT-NJP7103 |
|---|---|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | M-LLDPE | M-LLDPE | M-LLDPE | M-LLDPE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 低<br>Low | 中<br>Medium | 中<br>Medium | 中<br>Medium |
| 熔融指数<br>Melt Flow Rate<br>(190℃ /2.16kg) | ISO-1133 | g/10min | 1.0-3.0 | 1.0-3.0 | 1.0-3.0 | 1.0-3.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.90-0.93 | 0.90-0.93 | 0.90-0.93 | 0.90-0.93 |
| 熔点 DSC<br>Melting Point DSC | ISO 11357 | ℃ | 122 | 120 | 120 | 120 |

注：低 <0.4%；中 0.4-0.8%

Note: Low < 0.4%; Medium 0.4-0.8%

# 粘合树脂

ADHESIVE RESIN

## 产品介绍

PRODUCT INTRODUCTION

该系列产品为马来酸酐接枝聚丙烯；主要作为多层共挤片材的粘接层，与EVOH、PA都具有优异的粘结效果。

This series of products are maleic anhydride grafted polypropylene, mainly used as the bonding l ayer for multi-layer co-extruded sheets, with excellent adhesion to both EVOH and PA.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-NJE2202 | KT-NGJ2202A |
|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | PP | PP |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 低<br>Low | 低<br>Low |
| 熔融指数<br>Melt Flow Rate(190°C/2.16kg) | ISO-1133 | g/10min | 1.5-3.5 | 1.0-3.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.89-0.91 | 0.89-0.91 |
| 熔点 DSC<br>Melting Point DSC | ISO 11357 | ℃ | 146 | 145 |

注：低 <0.4%;
Note: Low < 0.4%

# 粘合树脂

ADHESIVE RESIN

## 产品介绍

PRODUCT INTRODUCTION

粘合树脂 KT-NJG3304 为马来酸酐接枝聚乙烯；应用于 PE 基管道粘接、铝塑以及钢塑管道粘接。

The adhesive resin KT-NJG3304 is maleic anhydride grafted polyethylene. It is used for bonding PE-based pipelines, as well as for bonding aluminum-plastic and steel-plastic pipelines.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-NJG3304 |
|---|---|---|---|
| 基体树脂<br>Base Resi | --- | --- | HDPE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 低<br>Low |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | 1.8-3.5 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.92-0.95 |
| 熔点 DSC<br>Melting Point DSC | ISO 11357 | ℃ | 131 |
| 拉伸强度（断裂）<br>Tensile Strength(Break) | GB/T1040 | Mpa | >16 |
| 伸长率（断裂）<br>Elongation(Break) | GB/T1040 | % | >600 |

注：低 <0.4%

Note: Low < 0.4%

# TPE 弹性体包胶系列相容剂

## TPE ELASTOMER OVERMOLDING SERIES COMPATIBILIZER

### 产品介绍
PRODUCT INTRODUCTION

相容剂 KT-2518A、KT-2518B、KT-2518C 为马来酸酐接枝乙烯类弹性体复合共聚物；主要用于 TPE 弹性体改性，改善弹性体各组分的相容性，改善填料在基体中的分散性，并可增加 TPE 弹性体的界面极性，使 TPE 在包胶尼龙时，具有优异的粘接效果。

KT-2518A, KT-2518B and KT-2518C compatibilizers are maleic anhydride grafted ethylene elastomer co polymers.They are mainly used for TPE modification, improving the compatibility of elastomer components and the dispersion of fillers in the matrix.They can also enhance the interfacial polarity of TPE, resulting in excellent adhesion when overmolded with nylon.

### 典型参数
TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-2518A | KT-2518B | KT-2518C |
|---|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | 弹性体 | 弹性体 | 弹性体 |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 高<br>High | 中<br>Medium | 高<br>High |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | 3.0-8.0 | 10.0-18.0 | 0.5-2.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.89-0.92 | 0.87-0.89 | 0.86-0.88 |

注：中 0.4-0.8%；高 >0.8%
Note: Medium 0.4-0.8%；High > 0.8%

建议用量：20%-30%，适量增减
Reference Dosage: 20%-30%, can be increased or decreased appropriately.

# TPE 弹性体包胶系列相容剂

## TPE ELASTOMER OVERMOLDING SERIES COMPATIBILIZER

### 产品介绍
PRODUCT INTRODUCTION

相容剂 KT-2518E、KT-2518F 为马来酸酐接枝乙烯类弹性体复合共聚物；均可用于 TPE 弹性体改性，改善弹性体各组分的相容性，改善填料在基体中的分散性，并可增加 TPE 弹性体的界面极性，使 TPE 在包胶尼龙时，具有优异的粘接效果。KT-2518E 用于改性 TPE 中，有效改善 TPE 的耐热性能。

KT-2518E and KT-2518F compatibilizers are maleic anhydride grafted ethylene elastomer copolymers.They are used for TPE modification, improving the compatibility of elastomer components and the dispersion of fillers in the matrix.They also enhance the interfacial polarity of TPE, providing excellent adhesion when overmolded with nylon.KT-2518E effectively improves the heat resistance of modified TPE.

### 典型参数
TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-2518E | KT-2518F |
|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | 弹性体<br>Elastomer | 弹性体<br>Elastomer |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 中<br>Medium | 高<br>High |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | 6.0-10.0 | 0.5-2.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.87-0.89 | 0.86-0.88 |

注：中 0.4-0.8%；高 >0.8%
Note: Medium 0.4-0.8%; High > 0.8%

建议用量：20%-30%，适量增减
Reference Dosage: 20%-30%, can be increased or decreased appropriately.

# TPE 弹性体包胶系列相容剂

## TPE ELASTOMER OVERMOLDING SERIES COMPATIBILIZER

### 产品介绍
PRODUCT INTRODUCTION

相容剂 KT-NJ002 为马来酸酐接枝聚乙烯；可用于 TPE 弹性体改性，改善弹性体各组分的相容性，调整 TPE 的硬度，使 TPE 在包胶尼龙时，具有优异的粘接效果。

The compatibilizer KT-NJ002 is maleic anhydride grafted polyethylene. It can be used for modifying TPE elastomers, improving the compatibility of the elastomer components, adjusting the hardness of TPE, and providing excellent bonding efects when TPE is used for overmolding nylon.

### 典型参数
TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-NJ002 |
|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | M-LLDPE |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 高<br>High |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | 1.0-3.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.91-0.93 |

注：高 >0.8%
Note: High > 0.8%

建议用量：10%-20%，适量增减
Reference Dosage: 10%-20%, can be increased or decreased appropriately.

# TPE 弹性体包胶系列相容剂

## TPE ELASTOMER OVERMOLDING SERIES COMPATIBILIZER

### 产品介绍
PRODUCT INTRODUCTION

相容剂 KT-153A 为马来酸酐接枝丙烯基弹性体；主要用于 TPE 弹性体改性，提高产品的硬度，改善 TPE 的表面耐磨性。

The compatibilizer KT-153A is a maleic anhydride grafted propylene-based elastomer. It is mainly used for modifying TPE elastomers, increasing the hardness of the product, and improving the surface wear resistance ofTPE.

### 典型参数
TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-153A |
|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | 弹性体<br>Elastomer |
| 功能基团含量<br>Functional GroupContent | 企业标准<br>Company Standard | MAH wt% | 高<br>High |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | 100-160 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.89-0.92 |
| 熔点 DSC<br>Melting Point DSC | ISO 11357 | ℃ | 146 |

注：高 >0.8%
Note: High > 0.8%

建议用量：2-5%，适量增减
Reference Dosage: 2%-5%, can be increased or decreased appropriately.

# TPE 弹性体包胶系列相容剂

## TPE ELASTOMER OVERMOLDING SERIES COMPATIBILIZER

### 产品介绍
PRODUCT INTRODUCTION

相容剂 KT-2510 、KT -2512 为马来酸酐接枝苯乙烯类弹性体；主要用于 TPE 弹性体改性，改善体系中各组分的相容性，改善填料在基体中的分散性，并增加 TPE 弹性体的界面极性，使 TPE 在包胶尼龙时，具有优异的粘接效果。

The compatibilizer KT-2510 and KT-2512 is a maleic anhydride grafted styrene-based elastomer. It is mainly used for modifying TPE elastomers, improving the compatibility of components in the system, enhancing the dispersion of fillers in the matrix, and increasing the interfacial polarity of the TPE elastomer. This results in excellent bonding efects when TPE is used for overmolding nylon.

### 典型参数
TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-2510 | KT-2512 |
|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | SEBS | SEBS |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 高<br>High | 高<br>High |
| 熔融指数<br>Melt Flow Rate(190℃ /5kg) | ISO-1133 | g/10min | 0.2-1.0 | 10-25* |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.90-0.92 | 0.90-0.92 |

注：高 >0.8%　　*230℃ /5kg
Note: High > 0.8%

建议用量：5%-10%，适量增减
Reference Dosage: 5%-10%, can be increased or decreased appropriately.

# PC 系列增韧剂

## PC SERIES TOUGHENING AGENT

## 产品介绍

PRODUCT INTRODUCTION

增韧剂 KT-17、KT-1701、KT-1702 应用于 PC 增韧、PC/ABS 合金的相容增韧，可提高抗冲击性，耐应力开裂性。

The toughening agents KT-17, KT-1701, and KT-1702 are used for toughening PC and compatibilizing and toughening PC/ABS alloys. They can improve impact resistance and stress crack resistance.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-17 | KT-1701 | KT-1702 |
|---|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | 弹性体<br>Elastomer | 弹性体<br>Elastomer | 弹性体<br>Elastomer |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 很高<br>Very High | 高<br>High | 高<br>High |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | ≧ 0.05* | --- | 1.0-4.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 1.00-1.05 | 0.97-1.00 | 0.95-0.98 |

注：高 >0.8%；很高≧ 4.0%　*200℃ /5kg
Note: High > 0.8%; Very High ≥ 4.0%

建议用量：3%-10%，适量增减
Reference Dosage: 3%-10%, can be increased or decreased appropriately.

# PC 系列增韧剂

## PC SERIES TOUGHENING AGENT

## 产品介绍

PRODUCT INTRODUCTION

增韧剂 KT-31 为丙烯酸酯接枝的乙烯类弹性体；用于 PC 增韧、增强增韧，提高 PC 的抗冲击性，耐应力开裂性；也用于 PC/ABS 合金相容、增韧。

The toughening agent KT-31 is an acrylate-grafted ethylene-based elastomer. It is used for toughening PC, enhancing toughness, and improving the impact resistance and stress crack resistance of PC. It is also used for compatibilizing and toughening PC/ABS alloys.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-31 |
|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | 弹性体<br>Elastomer |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | --- |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | 0.2-1.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 0.92-0.97 |

建议用量：1%-3%，适量增减。
Reference Dosage: 1%-3%, can be increased or decreased appropriately.

# PPO 系列相容剂

## PPO SERIES COMPATIBILIZER

## 产品介绍

PRODUCT INTRODUCTION

相容剂KT-24、KT-24B、KT-24F为马来酸酐接枝PPO；主要用于玻纤增强PPO或PA/PPO共混合金的相容剂。

KT-24, KT-24B and KT-24F compatibilizers are maleic anhydride grafted PPO.They are mainly used as compatibilizers for glass fiber reinforced PPO or PA/PPO blends.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-24 | KT-24B | KT-24F |
|---|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | PPO | PPO | PPO |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 高<br>High | 高<br>High | 高<br>High |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | 2.0-4.0 | 4.0-20.0* | 1.5-4.5 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 1.00-1.10 | 1.01-1.05 | 1.01-1.05 |

注：高 >0.8%　　*300℃ /5kg
Note: High > 0.8%

建议用量：3%-5%，适量增减
Reference Dosage: 3%-5%, can be increased or decreased appropriately.

# EVA 系列相容剂

## EVA SERIES COMPATIBILIZER

### 产品介绍

PRODUCT INTRODUCTION

相容剂 KT-26 系列为马来酸酐接枝 EVA；用于生产色母粒，显著提高色牢度，提高色母粒相容能力；作为粘结促进剂，具有高极性，高反应性，少量添加可明显改善材料的粘结性和相容性；同时用于无卤阻燃电缆材料体系，提高阻燃剂添加量；也可用于热熔胶，高 VA 含量，高反应活性，有效提升热熔胶的粘接强度。

The KT-26 series compatibilizers are maleic anhydride grafted EVA. They are used in the production of color masterbatches, significantly improving color fastness and enhancing the compatibility of color masterbatches. As a bonding promoter, they ofer high polarity and reactivity, where a small addition can noticeably improve the material' s bonding and compatibility. They are also used in halogen-free lame-retardant cable material systems to increase the amount of lame retardant added. Additionally, they can be used in hot melt adhesives, with high VA content and high reactivity, efectively enhancing the bonding strength of hot melt adhesives.

### 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-26 | KT-2628 | KT-2628A | KT-2628B | KT-2628C |
|---|---|---|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | EVA | EVA | EVA | EVA | EVA |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 高<br>High | 高<br>High | 高<br>High | 中<br>Medium | 高<br>High |
| 熔融指数<br>Melt Flow Rate<br>(190℃ /2.16kg) | ISO-1133 | g/10min | 0.2-2.0 | 3.0-7.0 | 18-32 | 150-220 | ≤1.5 |
| 密度<br>Density | ISO-1183 | g/cm$^3$ | 0.92-0.96 | 0.94-0.97 | 0.94-0.97 | 0.94-0.96 | 0.94-0.96 |

注：高 >0.8%
Note: High > 0.8%

建议用量：5%-10%，适量增减
Reference Dosage: 5%-10%, can be increased or decreased appropriately.

# POM 系列增韧剂

## POM SERIES TOUGHENING AGENT

## 产品介绍

PRODUCT INTRODUCTION

增韧剂 KT-28、KT-28A 为丙烯酸酯类弹性体；用于 POM 增韧、增强增韧，性能好于 TPU，流动性好，冲击性能高。

The toughening agent KT-28 and KT-28A are acrylate-based elastomers. They are used for toughening POM and enhancing toughness, ofering better performance thanTPU, with good fluidity and high impact resistance.

## 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-28 | KT-28A |
|---|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | 弹性体<br>Elastomer | 弹性体<br>Elastomer |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | --- | --- |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | --- | --- |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 1.12-1.17 | 1.12-1.17 |

建议用量：5%-10%，适量增减

Reference Dosage: 5%-10%, can be increased or decreased appropriately.

# 可降解系列相容剂

## BIODEGRADABLE SERIES COMPATIBILIZER

### 产品介绍

PRODUCT INTRODUCTION

相容剂 KT-36 为马来酸酐接枝聚酯类弹性体；主要用于 PLA、PBAT 等材料与淀粉、无机矿粉的填充改性，促进填充在树脂中的均匀分散。

The compatibilizer KT-36 is a maleic anhydride grafted polyester elastomer. It is mainly used for the filled modification of materials such as PLA and PBAT with starch or inorganic mineral powders, promoting the uniform dispersion of fillers in the resin.

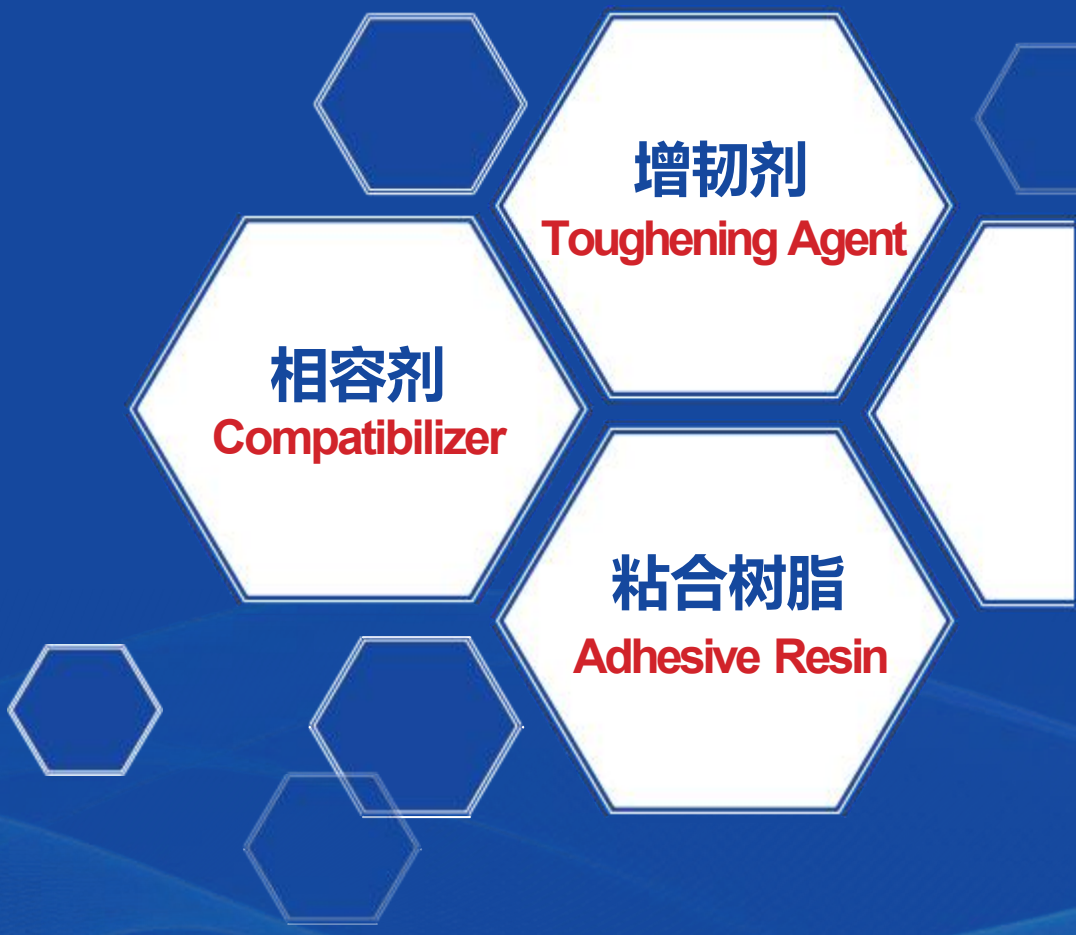
### 典型参数

TYPICAL PROPERTIES

| 检测项目<br>Test Items | 检测标准<br>Test Standard | 单位<br>Unit | KT-36 |
|---|---|---|---|
| 基体树脂<br>Base Resin | --- | --- | PBAT |
| 功能基团含量<br>Functional Group Content | 企业标准<br>Company Standard | MAH wt% | 中<br>Medium |
| 熔融指数<br>Melt Flow Rate(190℃ /2.16kg) | ISO-1133 | g/10min | ≧ 4.0 |
| 密度<br>Density | ISO-1183 | $g/cm^3$ | 1.20-1.23 |

注：中 0.4-0.8%
Note: Medium 0.4-0.8%

建议用量：3%-5%，适量增减。
Reference Dosage: 3%-5%，can be increased or decreased appropriately.


增韧剂
Toughening Agent
相容剂
Compatibilizer
粘合树脂
Adhesive Resin