NorShine
诺升功能材料

合成蜡/聚四氟乙烯蜡
TP1605

产品描述

TP1605是由PTFE改性过的合成蜡粉。TP1605作为助剂应用于溶剂型涂料／粉末涂料中可提供良好的表面滑爽性和耐磨性能。我们设计将两种不同聚合物进行整合来提供更低的摩擦系数，同时保持优异的相容性和分散性。虽然TP1605拥有优异的性价比，但如果需要得到更高程度的滑爽性和其他属性，那么您可以选择使用TP1610，它有更高的PTFE含量。

主要应用

TP1605可以在多种涂料领域中使用。包括：罐头涂料、卷材涂料、木器清漆、粉末涂料、光固化涂料、工业涂料。

多种体系都可应用：丙烯酸体系（溶剂型）、聚酯体系、醇酸树脂体系、纤维素漆、双组分环氧树脂漆、双组分聚氨酯涂料。

在涂料体系中加入TP1605可以改善以下性能：降低光泽、表面滑爽度、耐刮擦性、抗划伤性、表面疏水性、抗金属划痕。在粉末涂料中，按照其添加比例的不同还可形成柔软舒适的感觉。

添加比例

助剂用量基于总配方量的0.3~2.0%（重量比）。

加入方法及建议

溶剂型涂料、油墨：最好在后期添加，并使用中等速度搅拌分散。

粉末涂料：同树脂、固化剂、颜料和其他助剂一起在快速搅拌器中搅拌，然后所有的成分一起挤出。

包装

带PE内衬的防穿刺牛皮纸袋15公斤装。应在60℃ /140 ℉之下贮存和运输，盛放产品的容器不能直接受到热辐射。

技术指标

项目	测试标准	单位	典型值
外观	-	-	白色粉末
密度	ASTM D 2320	g/cm^3	1.01
平均粒径50%	激光衍射法	μm	5
最大粒径99%	激光衍射法	μm	16
熔点	ASTM D 3954	℃	110
NPIRI	ASTM D 1316	-	2.5

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Micronized PTFE-modified Synthetic Wax TP1605

Description

TP1605 is a PTFE modified Synthetic wax. TP1605 as an additive provides good slip and abrasion resistance in solventborne and powder coatings. The polymer combination is designed to provide low coefficients of friction, while maintaining excellent compatibility and dispersability. Although TP1605 has an excellent cost/performance profile, enhanced slip and other properties can be produced by using TP1610, which has a higher PTFE content.

Applications

TP1605 is useful in a wide range of applications including: Can and coil coatings; Wood finishes; Powder Coatings; Radiation-cured coatings; Industrial coatings.

The use of TP1605 provides the following benefits: Excellent slip without affecting gloss or DOI; Enhances scratch resistance; Improves metal mark resistance; Increases resistance to scuffing; Improves abrasion resistance; Enhance release properties in can coatings; Improves anti-blocking properties.

Addition Levels

The recommended addition level of TP1605 is 0.3-2.0% based on total formulation weight.

Incorporation

TP1605 should preferably be post added using medium speed agitation.

In powder coatings, TP1605 should be incorporated into the premix prior to the extrusion stage.

Packaging

15kg TP1605 is packaged in one puncture protection Kraft paper bag with PE lining.

Material should be stored on pallets in closed areas. A storage temperature of 60℃ should not be exceeded.

Specifications

Property	Test Method	Unit	Typical Value
Appearance	-	-	Fine White Powder
Density	ASTM D 2320	g/cm^3	1.01
Particle Size Mean Value	Laser Diffraction	μm	5
99% of particle under	Laser Diffraction	μm	16
Melting Drop Point	ASTM D 3954	℃	110
NPIRI	ASTM D 1316	-	2.5

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