

产品描述

含氟助剂TP202是具有流动性的白色PTFE微粉。TP202作为助剂用于其他材料加工时具有很低的表面能，同时也有氟聚合物的其他性能。TP202添加在油墨和涂料中，可以改善润滑性和耐磨性；在润滑剂中加入TP202可以有效提高在严苛工作环境下的性能。TP202可以在-190°C ~ 250°C (-310 °F ~ 480 °F) 之间使用。

TP202通常用做加工助剂，也可以作为润滑剂单独使用，但不能用来替代高分子量的PTFE悬浮或分散树脂进行挤出和模压加工。

TP202几乎对所有的化学品和溶剂是惰性的，也不吸收水分，具有很好的电器绝缘性和耐候性。

主要应用

TP202主要用于印刷油墨以改善耐摩擦性、表面滑爽性和光泽度，另外也可以降低阻塞。通常情况下，TP202和聚乙烯蜡混合使用来获得预期的改进效果。TP202的粒径小、分布窄，所以用于涂料体系中也可以有效地提高不粘性、

降低摩擦、提高耐磨性以及改善耐腐蚀性和减少浸润。TP202在涂料和油墨中的添加量一般为0.5~3%（重量比）。

FDA Compliance

TP202已通过US FDA 21 CFR 175.300检测。

包装

25公斤桶装。每27桶一个托盘，方便运输和仓储。

安全警示：吸入蒸发物会导致伤害！

使用本产品前请仔细阅读〈材料安全数据表〉（MSDS），该表可向供应商索取。

必须在通风良好的地方打开本品的包装和使用。吸入高温加工时产生的蒸发物或吸食被污染的烟草会出现流感症状（发冷、高烧、喉咙痛）。必须在充分通风的工作环境中进行高温加工，不要吸食被本产品污染的烟草。

本产品和极细的金属粉末（如镁、铝）混合后，在特定条件下可能燃烧和爆炸。

技术指标



项目	测试标准	单位	指标	典型值
堆积密度	ASTM D4894	g/L	225-600	360
熔点	ASTM D4894	°C	325±5	322
平均粒径	激光衍射法	µm	2-6	D ₅₀ =4, D ₉₉ <12
比表面积	ASTM D4567	m ² /g	0.8-4.5	1.5-3
NPIRI	ASTM D 1316	-	0-2.5	2.5
外观	诺升标准	-	白色	白色

Description

Fluoroadditive TP202 is a white PTFE powder specialized for use as an additive to impart low surface energy and other fluoropolymer attributes. TP202 could improve lubricity and wear resistance when with inks and coatings. Added to lubricants, it can enhance performance under severe conditions. TP202 can be used at temperature from -190°C to 250°C (-310 °F to 480 °F).

TP202 is generally designed to use as an additive, although it can also be used alone as a dry lubricant. It is unsuitable to be used as a molding or extrusion resin to replace for any of the high molecular weight PTFE resin.

TP202 is inert to all chemicals and solvent. It is a good electrical insulator, does not absorb water, and is highly resistant to weathering.

Applications

TP202 is mainly used for printing inks to improve friction resistance, slip and gloss. It can also reduce blocking. Typically, TP202 is mixed with polyethylene wax to achieve the desired improvement. TP202 has small particle size and narrow particle size distribution, so it can also effectively improve non-stickiness, reduce friction, improve wear resistance, improve corrosion resistance and reduce

infiltration in coating system. The addition of TP202 in coatings and inks is generally 0.5-3% (weight ratio).

FDA Compliance

TP202 may be used as a component of articles intended for repeated use in contact with food in compliance with US FDA 21 CFR 175.300.

Packaging

TP202 is packaged in 25kg drum. 27 drums are packaged on one pallet for easy shipping, handling and storage.

Safety Precautions

Before using TP202, please read the Material Safety Data Sheet (MSDS—available from Norshine, the producer) carefully.

Open and use containers only in well-ventilated areas using local exhaust ventilation. Vapor and fumes liberated during hot processing, or from smoking tobacco or cigarettes contaminated with TP202 may cause flu-like symptoms (chill, fever, sore throat). Vapor and fumes liberated during hot processing should be exhausted completely from work area. Contamination of tobacco with TP202 should be avoided.

Specifications



Property	Test Method	Unit	Specification	Typical Value
Average Bulk Density	ASTM D4894	g/L	225-600	360
Melting Point	ASTM D4894	°C	325±5	322
Average Particle Size	Laser Diffraction	µm	2-6	D ₅₀ =4, D ₉₉ <12
Specific Surface Area	ASTM D4567	m ² /g	0.8-4.5	1.5-3
NPIRI Grind	ASTM D 1316	-	0-2.5	2.5
Whiteness	Norshine standard	-	White	White

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