

产品描述

含氟助剂TP200是具有流动性的白色PTFE微粉，它经过特殊工艺处理，全氟辛酸（PFOA）含量低于25ppb，符合欧盟REACH (EU) 2017/1000, (EC) No. 1907/2006标准。TP200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。TP200添加在塑料和橡胶（弹性体）中，可以改善润滑性和耐磨性；TP200可以在-190℃ ~ 250℃ (-310 °F ~480 °F)之间使用。

TP200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。

TP200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

TP200主要用于塑料和橡胶（弹性体）的加工助剂，可以改善其不粘性和耐磨性，使挤出和注塑过程中产品的表面缺陷最小化。TP200在塑料和橡胶（弹性体）中的添加份

通常在5% ~ 20%（重量比）左右，最佳添加量由基体类型和需要达到的性能决定。可以使用TP200改性的塑料包括聚丙烯、聚碳酸酯、聚酰胺、聚酯、聚缩醛、聚酰亚胺、聚砜等。

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TP200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TP200包装和使用。吸入高温加工是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TP200污染的烟草。

TP200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	330
熔点	ASTM D4894	°C	325±5	329
平均粒径	激光衍射法	μm	2-6	D ₅₀ =3; D ₉₉ <12
比表面积	ASTM D4567	m ² /g	0.8-4.5	2-4
白度	诺升标准	-	白色	白色

Description

Fluoroadditive TP200 is a white PTFE powder specialized for use as an additive to impart low surface energy and other fluoropolymer attributes. After special process treatment, the content of PFOA is less than 25ppb, which conforms to the European Union REACH (EU) 2017/1000, (EC) No.1907/2006. TP200 could improve lubricity and wear resistance when with plastics and rubbers. TP200 can be used at temperature from -190°C to 250°C (-310 °F to 480 °F).

TP200 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.

TP200 is inert to all chemicals and solvent. It is a good electrical insulator, does not absorb water, and is highly resistant to weathering.

Applications

TP200 is mainly used as processing aids for plastics and rubber (elastomers), which can improve their non-stickiness and wear resistance, and minimize surface defects during extrusion and injection moulding. The addition of TP200 in

plastics and rubber (elastomer) is usually about 5%~20% (w/w%). The optimum addition is determined by the type of matrix and the properties to be achieved. Plastics modified with TP200 include polypropylene, polycarbonate, polyamide, polyester, polyacetal, polyimide, polysulfone, etc.

Packaging

TP200 is packaged in 25kg drum. 27drums are packaged on one pallet for easy shipping, handling and storage.

Safety Precautions

Before using TP200 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 TP200 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 TP200 should be avoided.

Specifications



Property	Test Method	Unit	Specification	Typical Value
Average Bulk Density	ASTM D4894	g/L	225-600	330
Melting Point	ASTM D4894	°C	325±5	329
Average Particle Size	Laser Diffraction	µm	2-6	D ₅₀ =3; D ₉₉ <12
Specific Surface Area	ASTM D4567	m ² /g	0.8-4.5	2-4
Whiteness	Norshine standard	-	White	White

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