

Polymist® XPP 527

Polytetrafluoroethylene

Solvay Specialty Polymers

Message:

Polymist® XPP 527 a white PTFE micronized powder PTFE micronized powder composed of discrete particles.

Designed for use in high end performance Coatings applications, Polymist® XPP 527 will improve non-stick properties and mar and abrasion resistance.

Main features of Polymist® XPP 527 are:

Improved abrasion, scratch and rub resistance

Increased slip and surface lubricity

Reduced blocking

Better chemical resistance

Increased temperature resistance

Gloss retention

General Information			
Uses	Additive		
Appearance	White		
Forms	Powder		
Physical	Nominal Value	Unit	Test Method
Specific surface area	3.0	m ² /g	Internal method
Particle size-D50	30.0	µm	Internal method
Volume density	500	g/l	ASTM D4895
Melt Temperature	315 - 325	°C	ASTM D3418
Additional Information	Nominal Value	Unit	Test Method

Processing

Polymist® XPP 527 is used as additives in paints and coatings where improvements in non-stick, mar resistance, slip, chemical resistance, and moisture repelling characteristics are desired.

Polymist® XPP 527 may be used independently as an additive or in combination with polyethylene waxes. The PTFE content at the surface layer is required in order to impart the properties of PTFE to the coating.

Polymist® XPP 527 is also highly recommended as additives in ink formulations because it can offer a wide range of performance attributes.

Storage and Handling

The usual precautions for safe storage and handling of Polymist® XPP 527 should be taken according to material safety documentation and experience. There will be no chemical deterioration of the Polymist® XPP 527 during proper storage.

Shelf life of Polymist® XPP 527 micronized powders will vary depending upon whether the recommended storage conditions are maintained and whether the material remains free from foreign contamination during storage time (not exposed to dirt, dust, water or other chemicals). The material should remain sealed in the original containers and storage conditions should provide for protection from temperature extremes as well as rain, snow or other wet environments (or such conditions which may damage the storage containers in which the product is stored).

Safety and Toxicology

Before using PTFE Polymist® XPP 527 micronized powders consult the product Material Safety Data Sheet and follow all label directions and handling precautions.

As with all PTFE materials, handling and processing should only be carried out in well ventilated areas. Vapor extractor units should be installed above processing equipment. Fumes must not be inhaled and eye and skin contact ought to be avoided. In case of skin contact wash with soap and water. In case of eye contact flush with water immediately and seek medical help. Do not smoke in areas contaminated with powder, vapor or fumes. See Material Safety Data Sheet for detailed advice on waste disposal methods.

Packaging

Polymist® XPP 527 is packaged in 25 kg non returnable drums. Each drum has one bag liner made of polyethylene resin.

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