

Polymist® F284

polytetrafluoroethylene

Polymist® F284 is a white micronized PTFE powder composed of discrete particles.

Available worldwide, Polymist® F284 is a medium molecular weight grade with excellent thermal stability, designed for use in critical high temperature engineering and high performance polymers.

As with all Polymist® micronized powders, F284 offers excellent chemical and temperature resistance, low surface energy, low coefficient of friction and good dispersion ability.

Main features of Polymist® F284 are:

- Better wear resistance
- Increased pressure x velocity (PV) limits
- Reduced friction
- Improved stick-slip response
- Improved mold release

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Uses	• Additive
Appearance	• White
Forms	• Powder

Physical

	Typical Value	Unit	Test method
Average Particle Size - D50	9.0	µm	Internal Method
Bulk Density	400	g/l	ASTM D4895
Specific Surface Area	3.0	m ² /g	Internal Method

Additional Information

	Typical Value	Unit	Test method
Grind in Oil	5.00		NPIRI
Melt Temperature	325 to 335	°C	ASTM D3418

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Storage and Handling

- The usual precautions for safe storage and handling of Polymist® F284 should be taken according to material safety documentation and experience. There will be no chemical deterioration of the Polymist® F284 during proper storage.
- Shelf life of Polymist® F284 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 Polymist® F284 PTFE 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® F284 is packaged in 25 kg nonreturnable drums. Each drum has two bag liners made of polyethylene resin.
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Notes

Typical properties: these are not to be construed as specifications.