

Fluon[®] Micropowder TL – 120 *Typical Properties*

Fluon[®] TL-120 is a white, FEP (fluorinated ethylene propylene) micropowder with a very small particle size. It has excellent thickening power when used as an extreme pressure (EP) agent in hydrocarbon and fluorosilicone fluids, and is used to meet MLGI Class 2 Specifications. Fluon[®] TL-120 is ideally suited as an additive to all solid and liquid media. In printing inks, it may be used as an anti-scuff and release agent. Fluon[®] TL-120 is suitable for food contact applications.

Property	Test Method	Units	Typical Value
Bulk Density	ASTM D-4894	grams/liter	385
Particle Size – Low Shear	Laser Diffraction	Average (µm)	14
		< 10% (µm)	3.5
		< 90% (µm)	34
Particle Size	Hegman ASTM D-1210	microns	3
Surface Area	AGC Chemicals Americas	meter ² /gram	7.6
Moisture Content	ASTM D-4019	%	< 0.1
Particle Type	AGC Chemicals Americas	Small, round particles	
FDA Compliance	CFR Number	CFR 177.1550	
Melting Point	ASTM D-3417	°F (°C)	500 (260)
Volatile Content	AGC Chemicals Americas	%	0.17
Particle Smear Sensitivity	AGC Chemicals Americas	Size reduction possible upon mixing	
Oil Absorption	ASTM D-1438	lb oil / 100 lb	79
Oil Penetrometer	ASTM D-1403	1 / 10 mm	68

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HANDLING PRECAUTIONS

Heating Fluon® products in excess of 750°F (399°C) can produce toxic fumes. It is, therefore, necessary to provide local exhaust ventilation in areas where Fluon® products are exposed to high temperatures. Avoid breathing fumes or contaminating smoking tobacco with fumes, powder, or dust.

Thermal decomposition of this product will generate hydrogen fluoride, which is corrosive. Corrosion resistance materials are required for prolonged contact with molten resin.

SAFE HANDLING INFORMATION

A summary of the hazards, as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200 for this product are:

Physical hazards: None

Health hazards: None

FOR ADDITIONAL INFORMATION AND HANDLING INSTRUCTIONS READ AGC CHEMICALS AMERICAS, INC. MATERIAL SAFETY DATA SHEET.

For more information and samples contact

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