

FL1700 Typical Properties

PRODUCT DESCRIPTION

FL1700 is a white PTFE (polytetrafluoroethylene) micropowder which is suitable as an economical, general-purpose dry lubricant in rubber and plastics compounding, and grease applications. FL1700 particles are coarse and friable. Some size reduction of the larger particles will occur during compound. FL1700 is suitable for use in food contact applications.

TYPICAL PROPERTIES

Property	Test Method	Units	Typical Value
Bulk Density	ASTM D-4894	grams/liter	530
Particle Size – Low Shear	Laser Diffraction	Average (µm)	95
		D10	<25
		D90	<150
Particle Size	Hegman ASTM D-1210	microns	<2
Surface Area	Krypton adsorption	meter ² /gram	3.1
Moisture Content	ASTM D-4019	%	< 0.1
Particle Type	AGC Chemicals	Soft, round sub-micron particles in clusters	
FDA Compliance	CFR Number	CFR 175.300, CFR 177.1550	
Melting Point	ASTM D-3417	°F (°C)	633 (334)
Particle Smear Sensitivity	AGC Chemicals	Cluster break-up to smaller size upon mixing	

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Fluon® PTFE Micropowder FL1700 *Typical Properties*

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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