

FL1650 Typical Properties

PRODUCT DESCRIPTION

Fluon[®] FL1650 is a finely milled PTFE (polytetrafluoroethylene). It is especially suitable for thermoplastic applications. This micropowder may also be used for compounding in rubber and thermoset products. The rounded particle shape and intermediate hardness permit mixing without further breakdown and without large increases in viscosity. This product is FDA compliant for food contact applications. FL1650 also features a low volatile content which may have value in specialized applications.

TYPICAL PROPERTIES

Property	Test Method	Units	Typical Value
Bulk Density	ASTM D-4894	grams/liter	440
Particle Size – Low Shear	Laser Diffraction	Average (µm) D10 D90	40 13 95
Particle Size	Hegman ASTM D-1210	microns	17
Surface Area	Krypton adsorption	meter ² /gram	1.0
Moisture Content	ASTM D-4019	%	< 0.1
Particle Type	AGC Chemicals	Rounded shape, intermediate hardness	
FDA Compliance	CFR Number	CFR 175.300, CFR 177.1550	
Melting Point	ASTM D-3417	°F (°C)	635 (335)

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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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