

FL1690 Typical Properties

PRODUCT DESCRIPTION

Fluon[®] FL1690 is a white PTFE (polytetrafluoroethylene) micropowder, suitable for compounding in rubber and plastics. The particles of FL1690 are of intermediate hardness, permitting mixing without further breakdown. FL1690 is suitable for use in food contact 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)	40
		D10	13
		D90	95
Particle Size	Hegman ASTM D-1210	microns	16
Surface Area	Krypton adsorption	meter ² /gram	1.0
Moisture Content	ASTM D-4019	%	< 0.1
Particle Type	AGC Chemicals	Irregular shape, intermediate hardness	
FDA Compliance	CFR Number	CFR 175.300, CFR 177.1550	
Melting Point	ASTM D-3417	°F (°C)	630 (332)

Fluon[®] is a registered trademark of Asahi Glass Company, LTD.

The information provided herein is related only to the specific product designated and may not be applicable where such product is used in combination with any other materials or in any process. NO REPRESENTATION OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE, ARE MADE HEREUNDER. The user of this product has the sole responsibility to determine the suitability of the product for any use and manner of use intended. This document may be revised after its issuance, and the user is advised to use the latest revision.

FL1690 *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

AGC Chemicals Americas, Inc.
55 E. Uwchlan Avenue, Suite 201
Exton, PA 19341

Phone: (800) 424-PTFE (7833)

Fax: (610) 423-4301