Fluon.PM
PTFE Micropowders

product information

Fluon® PTFE Micropowder TL – 368 *Typical Properties*

PRODUCT DESCRIPTION

Fluon® TL-368 is a white PTFE (polytetrafluoroethylene) micropowder, suitable for compounding in rubber and plastics. The particles of Fluon® TL-368 are of intermediate hardness, permitting mixing without further breakdown. The slight fibrous nature of Fluon® TL-368 will give greater viscosity in fluids. Fluon® TL-368 is suitable for use in food contact applications.

TYPICAL PROPERTIES

Property	Test Method	Units	Typical Value
Bulk Density	ASTM D-4894	grams/liter	435
Particle Size – Low Shear	Laser Diffraction	Average (µm) D10 D90	40 13 95
Particle Size	Hegman ASTM D-1210	microns	12
Surface Area	AGC Chemicals Americas	$meter^2/gram$	2.5
Moisture Content	ASTM D-4019	%	< 0.1
Particle Type	AGC Chemicals Americas	Irregular shape, intermediate hardness, slightly fibrous	
FDA Compliance	CFR Number	CFR 175.300, CFR 177.1550	
Melting Point	ASTM D-3417	^oF (^oC)	628 (331)
Volatile Content	AGC Chemicals Americas	%	0.08
Particle Smear Sensitivity	AGC Chemicals Americas	Minimal size upon mixing	
Oil Absorption	ASTM D-1438	lb oil / 100 lb	41
Oil Penetrometer	ASTM D-1403	1 / 10 mm	NA

AGC Chemicals Americas, Inc.
Business & Technical Center
55 E. Uwchlan Ave, Suite 201
Exton, PA 19341
Phone: 610.423.4301
Fax: 610.423.4301
http://www.agcchem.com

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