Fluoro GE 100

PTFE Micropowder

Background:
Fluoro GE designates a series of sub-micron PTFE powders made from emulsion grade virgin PTFE. This series covers a range of molecular weights which determine dispersability, thickening and performance properties. Due to the small particle size, the GE products have a larger specific surface area when compared to other PTFE.

Product Description:
Fluoro GE 100 has a high molecular weight with a narrow distribution. This characteristic in combination with high specific surface area attributes to superior thickening efficiency. Fluoro GE 100 is easily incorporated by shear to achieve a homogenous dispersion.

Industrial Applications:
Fluoro GE 100 is used for applications in products such as aerosol lubricants, mold release, gasket grease, extreme pressure grease, bearing lubricants and other products. This product can be used in NSF grade greases and lubricants.

Typical Properties	Method	Typical Values	Units
-Appearance	Visual	White Odorless Powder	
-Particle Size Mean Value	Adapted ISO 13320	< 1	µm
-DSC Melting Point	ASTM D 4591 (PTFE)	620 / 328	ºF/ ºC
-Cone Penetration	Adapted ASTM D217	250 – 270	1/10mm
-Bulk Density	Adapted ASTM D4894	200 – 400	g/l
-4-Ball Wear Scar	ASTM D2266	0.55 – 0.65	mm

Regulatory Status
The Components of this product are listed on the TSCA (USA), DSL (Canada), ENCS (Japan), ECL (Korea), PICCS (Phillipines), AICS (Australia), China and Taiwan Existing Chemical inventory. Its monomers are listed in the EINECS Inventory. This product meets the requirements of 21 CFR 175.105, 175.300, 176.170, 176.180, 177.1550 and 177.1556. NSF HX-1, and HX-2 category.

Safety, Shipping and Handling
For complete shipping, handling, health and safety information please contact your regional Customer Service Representative. Please contact them at your convenience for instructions and Material Safety Data Sheets, the contact information is located below.

Corporate Headquarters
Foot of Pacific Street
Newark, NJ 17114
Phone: +1(973)242-2999

Henderson, KY
301 Community Drive
Henderson, KY 42420
Phone: +1(270)826-7006

Tongeren, Belgium
Heesterveldweg 21,
B-3700 Tongeren Belgium
Phone: +32 1245 8330

Tianjin, China
Fty 5, Ave. 9, TEDA
Phone: +86 22 5981 3085

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