

Fluoro GE-125RC

PTFE Micropowder

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 dispersibility, thickening and performance properties.

Product Description:

Fluoro GE-125RC is a sub-micron polytetrafluoroethylene (PTFE) powder and is produced to be in compliance with EU regulatory requirements.







Application:

Fluoro GE-125RC is developed as a performance additive for greases and lubricants to reduce friction and enhance anti-wear properties. Fluoro GE-125RC is recommended for use in a wide variety of aerospace, automotive, military, agricultural, and industrial applications. It may be used as a shear-stable thickener in base oils such as silicone, fluorinated, and pure synthetic oils. Fluoro GE-125RC offers good thermal stability, water resistance, lubricity, and is resistant to strong acids, strong bases, and solvents. Complete de-agglomeration for optimal performance can be achieved in a colloid mill, media mill, or similar instrument.

Features and Benefits:

-  Excellent Thickener
-  Improves Anti-Wear Properties

Typical Properties:

 Appearance:	White Odorless Powder
 Particle Size Mean Value:	< 1 μm
 Cone Penetration:	230 – 280 1/10mm
 Bulk Density:	200 – 350 g/l
 4-Ball Wear Scar:	0.40 – 0.50 mm
 DSC Melting Point:	326 – 328 °C

Regulatory Status

The components of this product are listed on multiple chemical inventories. For specific information on the applicable chemical inventories, please refer to the product SDS. This product complies with the Commission Delegated Regulation (EU) 2020/784 on PFOA and (EU) 2021/1297 on C9-C14 (per Shamrock QSOP-202E and QSOP-205E).

Safety, Shipping and Handling

For complete safety, shipping and handling information, please refer to the product SDS, contact your regional Customer Service Representative, or contact our Customer Service Team by e-mail at customerserviceteam@shamrocktechnologies.com.

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