SHAMROCK
Particle Innovation • Surface Solutions

# *Lubricants and Grease*

## FLUORO GE 125 PTFE Micropowder

In our efforts to constantly improve, Shamrock has been working to develop PTFE micropowders for the grease and lubricant market. We have been determining thickening efficiency with the cone penetrometer using a 50/50 mixture in a PAO6 base oil and wear resistance according to ASTM D 2266 with the 4 Ball Tester in order to provide the industry with PTFE data that relates to grease properties.

**Product Description** FLUORO GE 125 is a sub-micron PTFE micropowder. It provides high thickening efficiency and improved wear protection.

**Applications** FLUORO GE 125 is suggested as a good combination of thickening efficiency and wear resistance.

| Typical Properties | Method | Typical Values | Units |
|---|---|---|---|
| **- Appearance:** | Visual | **White Odorless Powder** | |
| **- Specific Gravity:** | ASTM D 2320 | **2.15** | g/cm³ |
| **- Particle Size Mean Value:** | QSOP 155 | **< 1** | µm |
| **- DSC Melting Point:** | ASTM D 4591 (PTFE) | **620 / 328** | °F/°C |
| **- Cone Penetration:** | QSOP 182 | **255 - 275** | 1/10 mm |
| **- 4 Ball Wear Scar:** | ASTM D 2266 | **0.40 – 0.50** | mm |

**Regulatory Status** All components of this product are listed on the TSCA (USA) DSL(Canada), ENCS(Japan) ECL(Korea) PICCS(Philippines), AICS (Australia) and New Zealand Chemical inventory, and chemical substance inventories. Its monomers are listed on the EINECS inventory.

**Shipping and Handling** Call Shamrock Customer Service at (973) 242 2999.

**Safety** Please read Safety Data Sheet (SDS) before using.

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