SHAMROCK

Technical Data

SST®–3D

PTFE Micropowder

SST® products are Shamrock's PTFE micropowders that are defined by particle size and distribution, molecular weight, crystallinity, surface area, oil adsorption, powder flow, and color. Made primarily from highly controlled recycled PTFE feedstocks, SST® products are used for their ability to provide slip, non-stick, water repellency, texture, release, rub, and abrasion resistance to surfaces.

Product Description:

SST®-3D is a white low MW PTFE powder with a particle size mean value of 5 µm. SST®-3D has a tightly controlled particle size distribution, resulting in fewer oversized particles.

Application:

SST®-3D is recommended for use in offset and liquid inks. SST®-3D is also recommeneded for use in powder , water-based, solvent-based and UV coatings at 0.5-3% of total formula weight when used alone, or at 0.5-1% when used with 2-3% synthetic wax.

Features and Benefits:

- Rub and Abrasion Resistance
- Slip (Low COF)
- High Temperature Resistance
- Scratch Resistance

Typical Properties:

- Specific Gravity	ASTM-D 2320	**2.15 g/cm^3**
- Particle Size Mean Value	Laser Diffraction Microtrac	**5 µm**
- 99% of Particle Size Under	Laser Diffraction Microtrac	**12 µm**
- NPIRI Grind	ASTM D-1316	**2.0 Max**
- Hegman Grind	ASTM D-1210	**6.5 Min**
- Melting Point	ASTM D-4591	**608/320 °F/°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 meets the requirements of 21 CFR 175.105, 175.300, 176.170, and 176.180.

Safety, Shipping and Handling:

For complete safety, shipping and handling information please contact your regional Customer Service Representative, or our Customer Service Team at customerserviceteam@shamrocktechnologies.com.

For **more** information about Shamrock's other products or capabilities please visit us at our website, ShamrockTechnologies.com.

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