SST®-3D-RC

PTFE Micropowder

Product Description:

SST®-3D-RC is a polytetrafluoroethylene (PTFE) micropowder with a tightly controlled particle size distribution, and is produced to be in compliance with EU regulatory requirements.

Application:

SST®-3D-RC is developed as a performance additive to enhance surface properties in inks and coatings. It is recommended for use in powder, paste and liquid formulations, including water-based, solvent-based, and UV inks and coatings systems at 0.5 – 3.0% of total formula weight. It may be used at reduced loadings when paired with Shamrock's S-394 N1 or S-395 N1 polyethylene waxes. It is recommended to use 0.5 – 1.0% PTFE when used with 2.0 – 5.0% polyethylene wax. SST®-3D-RC is readily mixed into inks and coatings using standard high speed dispersion equipment.

Features and Benefits:

- Slip (Low Friction)
- Abrasion and Rub Resistance
- Scratch Resistance
- Anti-Blocking Properties

Typical Properties:

Specific Gravity:	2.15
Particle Size Mean Value:	5 µm
99% of Particle Under:	12 µm
NPIRI Grind:	2.0 Max
Hegman Grind:	6.5 Min
DSC Melting Point:	608 °F / 320 °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 amending Annex I to POPs Regulation (EU) 2019/1021 (per Shamrock QSOP-202E).

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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