

SST® 3RC

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® 3RC is a polytetrafluoroethylene (PTFE) micropowder and is produced to be in compliance with EU regulatory requirements.







Application:

SST® 3RC 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.

Features and Benefits:

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

Typical Properties:

 Specific Gravity:	2.15
 Particle Size Mean Value:	5 µm
 99% of Particle Under:	15 µm
 NPIRI Grind:	2.5 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 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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