

SST[®]-5D

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 PTFE feedstocks, SST[®] products are used for their ability to provide controlled slip, non-stick, water repellency, texture, release, rub, and abrasion resistance to surfaces.

Product Description:

SST[®]-5D is a white low MW PTFE powder with an aggregate particle size mean value of 5 µm, and may be de-agglomerated into submicron particles with appropriate mixing.






Application:

SST[®]-5D is recommended for thin film inks and coatings. SST[®]-5D is also recommended in all water-based, solvent-based, powder, and UV coating systems at 3% of total formula weight (or 0.5-1% when used with 2-3% synthetic wax). Typical applications include high rub offset inks, direct-to-metal (DTM) coatings, can coatings, specialty lubricating coatings for nuts and bolts and metal fasteners.

Features and Benefits:

-  Rub and Abrasion Resistance
-  Slip (COF)
-  High Temperature Resistance
-  Mar/Scuff
-  Mold Release

Typical Properties:

 Specific Gravity:	2.15 g/cm ³
 Particle Size Mean Value:	5 µm
 NPIRI Grind:	2.5 max
 Hegman Grind:	6.5 min
 Melting Point:	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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