

NanoFLON® 114T-RC

PTFE Micropowder

Shamrock's NanoFLON® Series consists of submicron polytetrafluoroethylene (PTFE) powders. NanoFLON® makes it easier to add key fluoropolymer properties to your product, including slip, abrasion resistance, and release.

Product Description:

NanoFLON® 114T-RC is a prime PTFE powders which consists of various agglomerated particles and are produced to be in compliance with EU regulatory requirements.




Application:

NanoFLON® 114T-RC is a performance additives designed for thermoplastic polymers and elastomers to reduce friction and enhance anti-wear properties. Complete dispersion into primary particles for optimal performance can be achieved in a colloid mill, media mill, or similar instrument.






NanoFLON® RC Series powders may be compounded into polyesters, polyamides, polyacetals, polycarbonates, and other engineering plastics and their blends.

Recommended Level: 5 – 20% of Total Formula Weight

Features and Benefits:

-  Friction Reduction
-  Wear Resistance
-  Improved Stick-Slip Response

Typical Properties:

| | |
|--|-------------------------|
|  Particle Size Mean Value | < 10 µm |
|  Specific Gravity | 2.10 – 2.20 |
|  Bulk Density | 200 – 350 g/l |
|  BET Surface area | 7 – 9 m ² /g |
|  DSC Melting Point | 326°C - 328°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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Issue Date: 11/12/2024