

NanoFLON® 119N-RC

PTFE Micropowder

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

Product Description:

NanoFLON® 119N-RC is based on prime PTFE which is agglomerated form of emulsion polymerized sub-micron primary particle sized PTFE and are produced to be in compliance with EU regulatory requirements.




Application:

NanoFLON® 119N-RC is a performance additive designed for various thermoplastics and elastomers to reduce friction, stick-slip, and enhance anti-wear properties. Complete dispersion into primary particles for optimal performance can be achieved by pre-mixing in high intensity mixers and extruded as a concentrate or masterbatch.






NanoFLON® 119N-RC may be compounded into polyesters, polyamides, polystyrene, polyvinylidene fluoride, and other engineering plastics and blow-molded into thin films to impart the desired surface slip.

Recommended Level: 5 – 20% as a compound, and 3-5% as a final additive.

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	250 – 450 g/l
 BET Surface area	7 – 9 m ² /g
 DSC Melting Point	> 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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