

# NanoFLON<sup>®</sup> 102-RC

PTFE Micropowder

Shamrock's NanoFLON<sup>®</sup> Series consists of nano-sized PTFE powder. NanoFLON<sup>®</sup> makes it easier to add key fluoropolymer properties to your product, including slip, abrasion resistance, and release.




## Product Description:

NanoFLON<sup>®</sup> 102-RC is a polytetrafluoroethylene (PTFE) powder which consists of loose agglomerates of primary particles and is produced to be in compliance with EU regulatory requirements.






## Application:

NanoFLON<sup>®</sup> 102-RC is a performance additive designed for thermoplastic polymers and elastomers to reduce friction and enhance anti-wear properties. It may be easily de-agglomerated in most elastomeric and thermoplastic materials. It may be compounded into polyesters, polyamides, polyacetals, polycarbonates, and other engineering plastics and their blends. Addition of 5 – 25% of total formula weight NanoFLON<sup>®</sup> 102-RC provides excellent lubricity and anti-wear properties.

## Features and Benefits:

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

## Typical Properties:

 Appearance	White Powder
 Particle Size Mean Value	< 20 µm
 Specific Gravity	2.10 – 2.20
 Bulk Density	200 – 500 g/l
 DSC Melting Point	> 321 °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](mailto:customerserviceteam@shamrocktechnologies.com).

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