SHAMROCK

Technical Data

NanoFLON® 119N

Micronized Polytetrafluoroethylene Powder

Shamrock's NanoFLON® Series consists of nano-sized PTFE powder. NanoFLON® makes it easier to add key fluoropolymer properties to your product, including slip, abrasion resistance and release. The ultra-fine powders are engineered using our own proprietary process that allows easy dispersion and primary particle sizes as small as 200 nanometers.

Product Description:

NanoFLON® Series powders are virgin PTFE micropowder with various agglomerated particle sizes.

Application:

NanoFLON® Series Powders are designed for thermoplastics and elastomers to reduce friction and enhance anti-wear properties. NanoFLON® Powders can be dispersed into submicron primary particle size.

NanoFLON® Series Powders can be compounded into polyesters, polyamides, polyacetals, polystyrene, polycarbonate, and other engineering plastics. NanoFLON® is also effective in elastomers and blends of various engineering plastics.

Recommended Level: 5 - 20% of Total Formula Weight

Features and Benefits:

- Reduces Friction
- Reduce Noise
- Enhances Wear Resistance
- Thin Film Applications
- Micromolding Applications
- High Surface Area

Typical Properties:

Appearance:	White
Particle Size Mean Value:	4 – 6 µm
90% of Particles Under:	8 µm
Primary Particle Size:	0.2 µm
Melting Point:	> 320 °C
Specific Gravity:	2.15 g/cm^3
Bulk Density:	250 –450 g/l
Surface Area:	7.0 – 9.0 m^2/g

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.

Safety, Shipping and Handling

For complete shipping, handling, health and safety information please contact your regional Customer Service Representative. Please contact them at your convenience for instructions and Material Safety Data Sheets, the contact information is located below.

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The information contained in the technical data sheet is to the best of our knowledge, true and accurate. However, no warranty is expressed or implied regarding the accuracy of the data. The results to be obtained from the use thereof, or that any such use will not infringe any patent.

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