SHAMROCK

Technical Data

MicroFLON® T-Series

Micronized Polytetrafluoroethylene Powder

MicroFLON® T-Series is based on recycled PTFE powder that offers an attractive alternative to costly virgin PTFE. As confirmed in recent independent testing, MicroFLON® T offers superior coefficient of friction and wear resistance in both nylon and polyoxymethylene when compared against virgin PTFE. Recycled PTFE also offers a significant reduction in carbon footprint relative to the use of prime PTFE.

Product Description:

MicroFLON T-Series powders are recycled PTFE micronized to various particle sizes.

Application:

MicroFLON® T-Series Powders are designed for thermosets, thermoplastics, and elastomers to reduce friction and enhance anti-wear properties.

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

Recommended Level: 10-30% of Total Formula Weight

Features and Benefits:

- Reduces Friction
- Enhances Wear Resistance
- Reduces Noise
- Reduces Carbon Footprint
- Improves Stick-Slip Response
- Processing Aid

Typical Properties	Method	MicroFLON® T-801	MicroFLON® T-803HT	MicroFLON® T-807	MicroFLON® T-707
Particle Size Mean Value	ASTM D-4464	35-55 µm	20-25 µm	10-12 µm	10-12 µm
90% of Particles Under	ASTM D-4464	70 µm	50 µm	20 µm	20 µm
Melting Point	ASTM D-4591	> 327ºC	> 327ºC	> 325ºC	> 323ºC
Specific Gravity	ASTM D-2320	2.15-2.2 g/cm³	2.15-2.2 g/cm³	2.15-2.2 g/cm³	2.15-2.2 g/cm³
Bulk Density	ASTM D-4894/4895	350-650 g/l	300-550 g/l	350-550 g/l	350-550 g/l
Surface Area	ASTM D-5675	1.0-3.0 m²/g	1.0-3.0 m²/g	1.0-3.0 m²/g	1.0-3.0 m²/g
Appearance	Visual	White	White	White	Gray

Regulatory Status: The components of these products 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 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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