

# MicroFLON<sup>®</sup> S-205 FG-RC

Micronized PTFE Powder

## Product Description:






MicroFLON<sup>®</sup> S-205 FG-RC is a micronized polytetrafluoroethylene (PTFE) powder and is produced to be in compliance with EU regulatory requirements. MicroFLON<sup>®</sup> S-205 FG-RC is suitable for use in food contact applications in compliance with the U.S. Federal Food and Drug Administration's (FDA) regulations.

## Application:








MicroFLON<sup>®</sup> S-205 FG-RC is designed for thermoplastics and elastomers to reduce friction and enhance anti-wear properties. MicroFLON<sup>®</sup> S-205 FG-RC is manufactured from prime PTFE and offer high thermal stability and are ideal for polyphenylene sulfide, polyimide, polyether ether ketone, and other high temperature applications.

MicroFLON<sup>®</sup> S-Series (-RC) powders can be compounded into polyesters, polyamides, polyacetals, polycarbonates, and other engineering plastics and their blends. Addition of 10 – 30% of total formula weight PTFE provides excellent lubricity and anti-wear properties.

## Features and Benefits:

-  Friction Reduction
-  Enhance Wear Resistance
-  Improved Stick-Slip Response
-  Reduces Noise
-  High Thermal Stability

## Typical Properties:

	Appearance:	White Powder
	Particle Size Mean Value:	12 – 22 $\mu\text{m}$
	90% of Particles Under:	35 $\mu\text{m}$
	Melting Point:	> 328°C
	Specific Gravity:	2.12 – 2.22
	Bulk Density:	300 – 550 g/l
	Surface Area:	1.0 – 3.0 m <sup>2</sup> /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. 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](mailto:customerserviceteam@shamrocktechnologies.com).

For more information about Shamrock's other products, please visit us at our website, [ShamrockTechnologies.com](http://ShamrockTechnologies.com).

**Corporate Headquarters**  
Foot of Pacific Street  
Newark, NJ 07114  
Phone: +1(800)349-1822

**Henderson, KY**  
301 Community Drive  
Henderson, KY 42420  
Phone: +1(800)349-1822

**Tongeren, Belgium**  
Heersterveldweg 21,  
B-3700 Tongeren Belgium  
Phone: +32 1245 8330

**Tianjin, China**  
Fty 5, Ave. 9, TEDA  
Phone: +86 22 5981 3085

The information contained in this document is, to the best of our knowledge, true and accurate. Although every effort is made to provide complete and accurate information, neither Shamrock nor any of its affiliates makes any representation, express or implied, regarding the accuracy of the data, the results to be obtained from the use thereof, and assumes no liability or responsibility for any errors or omissions, or that any such use will not infringe any patent. This information is being provided to you to assist with the evaluation of the materials described herein, and should not be relied upon without verification by you.

Issue Date: 11/12/2024