

MicroFLON® 77RC

FEP Powder

FEP (fluorinated ethylene propylene) and PTFE both have high dielectric constants, chemical resistance, and a low coefficient of friction, but unlike PTFE, FEP is a melt processable fluoropolymer.




Product Description:

MicroFLON® 77RC is a FEP micronized powder and is produced to be in compliance with EU regulatory requirements.







Application:

MicroFLON® 77RC is used in industrial applications cured at high temperatures (ex. PAI, PES, PPS). MicroFLON® 77RC can be used as a binder for PTFE in solid lubricant coatings.

Features and Benefits:

-  Release Properties
-  Binding Agent
-  Gloss Retention

Typical Properties:

 Appearance:	Off-White Powder
 Specific Gravity:	2.15 g/cm ³
 Particle Size Mean Value:	4.0 µm
 Bulk Density:	350-450 g/L
 Melting Point:	518/270 °F/°C
 Melt Flow Index:	20-30

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 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.

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: 2/20/2026