

3M Dyneon™ PFA FLEX 8515 UHPZ Perfluoroalkoxy Fluorothermoplastic Granules

Category : Polymer , Thermoplastic , Fluoropolymer , PFA

Material Notes:

Dyneon™ PFA-FLEX UHP family exhibits improved environmental stress crack resistance to stress cracking agents such as fluorsurfactants and fluorsurfactant-containing chemicals. In addition, this family offers very low levels of extractable ions, making it suitable for critical semiconductor wet chemical processes. Features and benefits include Significantly longer life in fluorsurfactant containing fluids Extremely low levels of extractable ions Smoother surfaces Improved clarity Temperature capability up to 240°C Excellent chemical resistance Information provided by Dyneon, A 3M Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-PFA-FLEX-8515-UHPZ-Perfluoroalkoxy-Fluorothermoplastic-Granules.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.145 g/cc	2.145 g/cc	ASTM D792
Water Absorption	<= 0.50 %	<= 0.50 %	24 hr.; ASTM D570
Melt Index of Compound	15 g/10 min @Load 5.00 kg, Temperature 372 °C	15 g/10 min @Load 11.0 lb, Temperature 702 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	34.0 MPa	4930 psi	ASTM D638
Elongation at Break	350 %	350 %	ASTM D638
Flexural Modulus	0.600 GPa	87.0 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	290 °C	554 °F	ASTM D4591
Maximum Service Temperature, Air	240 °C	464 °F	
Oxygen Index	>= 95 %	>= 95 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.02 - 2.08 @Frequency 1e+6 Hz	2.02 - 2.08 @Frequency 1e+6 Hz	ASTM D150
Dissipation Factor	<= 0.00030 @Frequency 1e+6 Hz	<= 0.00030 @Frequency 1e+6 Hz	ASTM D150

Descriptive Properties	Value	Comments
Form	Pellets	

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