

3M Dyneon™ PFA X 6505 UHP Perfluoroalkoxy Fluorothermoplastic (discontinued **)

Category : Polymer , Thermoplastic , Fluoropolymer , PFA

Material Notes:

Dyneon PFA X 6502 UPH, PFA X 6505 UHP and PFA X 6515 UHP are ultra-high purity fluorothermoplastics. These resins were developed for high-purity applications requiring ultra-low levels of metal and ion extraction, such as in the semiconductor market. The Dyneon PFA UHP family comprises grades that can be extruded, injection-molded, compression-molded, transfer-molded, or blow-molded. Their distinguishing features include:Extremely low levels of metalsExtremely low levels of fluoride ion and other anionsExcellent chemical resistance and temperature capability up to 260°C UHP packaged to assure clean, contamination-free productInformation provided by Dyneon, A 3M Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-PFA-X-6505-UHP-Perfluoroalkoxy-Fluorothermoplastic-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.15 g/cc	2.15 g/cc	ASTM D792
Melt Index of Compound	5.0 g/10 min	5.0 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 372 °C	@Load 11.0 lb, Temperature 702 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ASTM D2240
Tensile Strength at Break	30.0 MPa	4350 psi	ASTM D638
Elongation at Break	410 %	410 %	ASTM D638
Flexural Modulus	0.550 GPa	79.8 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	310 °C	590 °F	ASTM D4591
Maximum Service Temperature, Air	260 °C	500 °F	
Flammability, UL94	V-0	V-0	
Oxygen Index	>= 95 %	>= 95 %	ASTM D2863

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