3M Dyneon™ PFA 6515N Perfluoroalkoxy Fluorothermoplastic (discontinued **)

Category : Polymer , Thermoplastic , Fluoropolymer , PFA

Material Notes:

The excellent chemical temperature resistance of Dyneon™ 6500N PFA is available across a range of melt flow indices, for optimal processability. Dyneon™ PFA 6502N, the highest molecular weight grade (lowest MFI) offers maximum stress crack resistance and tensile strength. It is ideal for applications such as tubing and sheeting. Dyneon™ PFA 6515 and PFA 6525N are designed for higher speed or higher shear processing such as injection molding and wire insulation. Dyneon PFA 6500 series products achieve the excellent property balance for which PFA is known including wide service temperature range (-200° to +260°C), almost universal chemical and solvent resistance, outstanding mechanical properties, resistance to weathering, low friction/non-stick behavior, high dielectric strength, and flame resistance.Information provided by Dyneon, A 3M Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-PFA-6515N-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	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
Hardness, Shore D	60	60	ASTM D2240
Tensile Strength at Break	26.0 MPa	3770 psi	ASTM D638
Elongation at Break	450 %	450 %	ASTM D638
Flexural Modulus	0.620 GPa	89.9 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	308 °C	586 °F	ASTM D4591
Flammability, UL94	V-0	V-0	
Oxygen Index	>= 95 %	>= 95 %	ASTM D2863

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