

3M Dyneon™ PFA 6503 C EPC Perfluoroalkoxy Fluorothermoplastic (discontinued **)

Category : Polymer , Thermoplastic , Fluoropolymer , PFA

Material Notes:

Dyneon PFA 6503 C EPC is a fluorothermoplastic powder for powder coating applications, and is designed for thin film applications where target film thickness is 25-40 micrometers per pass. non-stick surfaces, chemical vessel and tank liners, electrical insulation, low friction applications. Information provided by Dyneon, A 3M Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-PFA-6503-C-EPC-Perfluoroalkoxy-Fluorothermoplastic-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	2.15 g/cc	2.15 g/cc	ASTM D792
Bulk Density	0.800 g/cc	0.0289 lb/in ³	DIN 53466
Particle Size	25 µm	25 µm	median
Melt Index of Compound	3.0 g/10 min @Load 5.00 kg, Temperature 372 °C	3.0 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	30.0 MPa	4350 psi	ASTM D638
Elongation at Break	380 %	380 %	ASTM D638
Flexural Modulus	0.550 GPa	79.8 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	308 °C	586 °F	ASTM D4591
Oxygen Index	>= 95 %	>= 95 %	ASTM D2863

Descriptive Properties	Value	Comments
Form	Agglomerate	

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