

Technetics Group Amicon™ PVDF (Unverified Data)**

Category : Polymer , Thermoplastic , Fluoropolymer , PVDF

Material Notes:

Information provided by Technetics Group (formerly Plastomer Technologies)

Order this product through the following link:

http://www.lookpolymers.com/polymer_Technetics-Group-Amicon-PVDF-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.76 g/cc	1.76 g/cc	ASTM D792
Water Absorption	0.40 %	0.40 %	24 hours; ASTM D570 (2)

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	43.4 MPa	6300 psi	ASTM D638
Modulus of Elasticity	2.00 GPa	290 ksi	ASTM D638
Izod Impact, Notched	1.87 J/cm	3.50 ft-lb/in	ASTM D256 type "A"

Thermal Properties	Metric	English	Comments
CTE, linear	112 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	62.0 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	ASTM E-831 (TMA)
	@Temperature 100 °C	@Temperature 212 °F	
Maximum Service Temperature, Air	149 °C	300 °F	
Flammability, UL94	V-0	V-0	ASTM UL-94
	@Thickness 3.17 mm	@Thickness 0.125 in	

Electrical Properties	Metric	English	Comments
Dielectric Strength	19.3 kV/mm	490 kV/in	ASTM D149

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