

## 3M Dyneon™ PVDF 6020/1001 Polyvinylidene Fluoride (discontinued \*\*)

Category : Polymer , Thermoplastic , Fluoropolymer , PVDF

### Material Notes:

Ultra-high molecular weight grade PVDF Powder grade Excellent chemical resistance to a wide variety of aggressive fluids and solvents Good permeation resistance Excellent strength and dimensional stability Information provided by Dyneon, A 3M Company

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-Dyneon-PVDF-60201001-Polyvinylidene-Fluoride-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_3M-Dyneon-PVDF-60201001-Polyvinylidene-Fluoride-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.78 g/cc	0.0643 lb/in <sup>3</sup>	ISO 1183
Water Absorption	<= 0.040 %	<= 0.040 %	24 hr @ 23°C; ISO 62 (method 1)
Melt Index of Compound	1.3 g/10 min @Load 2.16 kg, Temperature 230 °C	1.3 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	37.0 MPa	5370 psi	50mm/min; ASTM D638
Tensile Strength, Yield	55.0 MPa	7980 psi	50mm/min; ASTM D638
Elongation at Break	32 %	32 %	50mm/min; ASTM D638
Elongation at Yield	7.0 %	7.0 %	50mm/min; ASTM D638
Flexural Modulus	1.80 GPa	261 ksi	2mm/min; ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	171 °C	340 °F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	135 °C	275 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	
Oxygen Index	>= 44 % @Thickness 4.00 mm	>= 44 % @Thickness 0.157 in	Sheet; ASTM D2863

Descriptive Properties	Value	Comments
Form	Powder	

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