

**3M Dyneon™ PVDF 1012/0180 Polyvinylidene Fluoride (discontinued \*\*)**

Category : Polymer , Thermoplastic , Fluoropolymer , PVDF

**Material Notes:**

Improved clarity and flexibility compared to PVDF 1012/0001 Improved impact strength Improved processing compared to PVDF 1012/0001 Improved drawability Excellent for filament sizes 6 to 30 mils Information provided by Dyneon, A 3M Company

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-Dyneon-PVDF-10120180-Polyvinylidene-Fluoride-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_3M-Dyneon-PVDF-10120180-Polyvinylidene-Fluoride-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Volatiles	<= 0.20 %	<= 0.20 %	5 min/100°C, Thermobalance
Melt Index of Compound	6.5 g/10 min @Load 10.0 kg, Temperature 230 °C	6.5 g/10 min @Load 22.0 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	33.0 MPa	4790 psi	50mm/min; ASTM D638
Tensile Strength, Yield	46.0 MPa	6670 psi	50mm/min; ASTM D638
Elongation at Break	95 %	95 %	ASTM D638
Elongation at Yield	12 %	12 %	50mm/min; ASTM D638
Flexural Modulus	1.42 GPa	206 ksi	2mm/min; ASTM D790

Descriptive Properties	Value	Comments
Color	Opaque	
Form	Pellets	

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