

Solvay Specialty Polymers Solef® 1015 Polyvinylidene Fluoride (PVDF)

Category : Polymer , Thermoplastic , Fluoropolymer , PVDF , Polyvinylidene fluoride (PVDF), Molded/Extruded

Material Notes:

Solef® 1015 PVDF homopolymer has very high viscosity, suitable for membrane manufacturing. It is available exclusively as powder. Features: Homopolymer; Ultra High Viscosity Uses: Membranes Additional Properties: Crystallization Heat - ASTM D3417 50.0 to 56.0 J/g; Heat of Fusion - ASTM D3417 57.0 to 66.0 J/g Information provided by Solvay Specialty Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Solef-1015-Polyvinylidene-Fluoride-PVDF.php

Physical Properties	Metric	English	Comments
Density	1.75 - 1.80 g/cc	0.0632 - 0.0650 lb/in ³	ASTM D792
Water Absorption	<= 0.040 % @Time 86400 sec	<= 0.040 % @Time 24.0 hour	ISO 62
Melt Flow	2.8 - 4.6 g/10 min @Load 21.6 kg, Temperature 230 Â°C	2.8 - 4.6 g/10 min @Load 47.6 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 - 50.0 MPa @Thickness 2.00 mm	5080 - 7250 psi @Thickness 0.0787 in	50 mm/min; ASTM D638
Tensile Strength, Yield	53.0 - 57.0 MPa @Thickness 2.00 mm	7690 - 8270 psi @Thickness 0.0787 in	50 mm/min; ASTM D638
Elongation at Break	20 - 50 %	20 - 50 %	50 mm/min; ASTM D638
Elongation at Yield	5.0 - 10 %	5.0 - 10 %	50 mm/min; ASTM D638
Tensile Modulus	2.10 - 2.30 GPa	305 - 334 ksi	1.0 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	171 - 175 Â°C	340 - 347 Â°F	DSC
Crystallization Temperature	137 - 144 Â°C	279 - 291 Â°F	Peak; ASTM D3418
Glass Transition Temp, Tg	-40.0 Â°C	-40.0 Â°F	ASTM E1356

Descriptive Properties	Value	Comments
Availability	Africa & Middle East Asia Pacific	

Descriptive Properties	Value	Comments
	Europe	
	Latin America	
	North America	
Form	Powder	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China