

Solvay Specialty Polymers Solef® 5120 Polyvinylidene Fluoride (PVDF)

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

Material Notes:

Solef® 5120 PVDF is a medium viscosity grade that gives improved adhesion ideal for its usage in lithium batteries.Features: Good Adhesion; Medium ViscosityUses: Batteries; BinderAdditional Properties: Heat of Fusion - ASTM D3418 38.0 to 48.0 J/g; Thermal Stability - TGA > 375 °CInformation provided by Solvay Specialty Polymers.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Solef-5120-Polyvinylidene-Fluoride-PVDF.php

Physical Properties	Metric	English	Comments
Density	1.75 - 1.78 g/cc	0.0632 - 0.0643 lb/in³	ISO 1183
Water Absorption	<= 0.20 %	<= 0.20 %	ISO 62
	@Time 86400 sec	@Time 24.0 hour	
Melt Flow	<= 3.0 g/10 min	<= 3.0 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Modulus	1.00 - 1.50 GPa	145 - 218 ksi	1.0 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	160 - 168 °C	320 - 334 °F	DSC
Crystallization Temperature	124 - 130 °C	255 - 266 °F	Peak; ASTM D3418
Glass Transition Temp, Tg	-40.0 °C	-40.0 °F	DSC

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+14 ohm-cm	>= 1.00e+14 ohm-cm	ASTM D257
Surface Resistance	>= 1.00e+14 ohm	>= 1.00e+14 ohm	ASTM D257

Descriptive Properties	Value	Comments
Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	Latin America	
	North America	

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