

## Solvay Specialty Polymers Solef<sup>®</sup> 5130 Polyvinylidene Fluoride (PVDF)

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

### Material Notes:

Solef<sup>®</sup> 5130 PVDF is an ultra high viscosity grade that gives the best adhesion ideal for its usage in lithium batteries. Features: Good Adhesion; Ultra High Viscosity Uses: Batteries; Binder Additional Properties: Heat of Fusion - ASTM D3418 40.0 to 48.0 J/g; Thermal Stability - TGA > 375 °C Information provided by Solvay Specialty Polymers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Specialty-Polymers-Solef-5130-Polyvinylidene-Fluoride-PVDF.php](http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Solef-5130-Polyvinylidene-Fluoride-PVDF.php)

Physical Properties	Metric	English	Comments
Density	1.75 - 1.78 g/cc	0.0632 - 0.0643 lb/in <sup>3</sup>	ISO 1183
Water Absorption	<= 0.20 % @Time 86400 sec	<= 0.20 % @Time 24.0 hour	ISO 62

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	135 - 140 °C	275 - 284 °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.**

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