Solef® 75130
polyvinylidene fluoride

Solef® 75130 PVDF copolymer is a ultra high molecular weight, chemically modified grade that combines excellent adhesion, good flexibility and easy solution process, which makes it ideal for usage in lithium batteries.

Main features of Solef® 75130 PVDF are:
- Good adhesion
- Ultra high molecular weight
- Soluble in acetone and ketones
- Good flexibility

General		
Material Status	• Commercial: Active	
Availability	• Africa & Middle East • Asia Pacific • Europe	• Latin America • North America
Uses	• Batteries	
Processing Method	• Solution Processing	

Physical	Typical Value	Unit	Test method
Density	1.75 to 1.78	g/cm³	ISO 1183
Water Absorption [1] (24 hr, 23°C)	< 0.20	%	ASTM D543

Mechanical	Typical Value	Unit	Test method
Tensile Modulus [2] (23°C)	700 to 1000	MPa	ASTM D638

Thermal	Typical Value	Unit	Test method
Glass Transition Temperature	-40.0	°C	DSC
Melting Temperature	141 to 156	°C	ASTM D3418
Thermal Stability [3]	> 375	°C	TGA

Electrical	Typical Value	Unit	Test method
Surface Resistivity [4]	> 1.0E+14	ohms	ASTM D257
Volume Resistivity [5]	> 1.0E+14	ohms·cm	ASTM D257

Additional Information
Intrinsic Viscosity: 0.25 - 0.33 l/g

Notes
Typical properties: these are not to be construed as specifications.

[1] 30g

[2] 1.0 mm/min

[3] @ 1% weight loss

[4] Voltage < 1V, after 2 min - 500 V @ 23°C

[5] Intensity = 10 mA, after 2 min @ 23°C

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Safety Data Sheets (SDS) are available by emailing us or contacting your sales representative. Always consult the appropriate SDS before using any of our products.

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