

Solef® 42308

Polyvinylidene Fluoride
Solvay Specialty Polymers

Message:

Solef® 42308 PVDF is specifically developed for coextrusion.

General Information			
Processing Method	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.78	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ASTM D1238
230°C/2.16 kg	6.0 to 8.0	g/10 min	
230°C/5.0 kg	18 to 24	g/10 min	
Water Absorption ¹ (23°C, 24 hr)	< 0.040	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus ² (23°C)	1900	MPa	ASTM D638
Tensile Strength ³			ASTM D638
Yield, 23°C	48.0	MPa	
Break, 23°C	30.0	MPa	
Tensile Elongation ⁴ (Yield, 23°C)	7.0	%	ASTM D638
Coefficient of Friction			ASTM D1894
vs. Itself - Dynamic	0.31		
vs. Itself - Static	0.32		
Taber Abrasion Resistance (1000 Cycles, 1000 g, CS-10 Wheel)	8.00	mg	ISO 5470-1
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength ⁵ (23°C)	8.5	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	169	°C	ASTM D3418
Peak Crystallization Temperature (DSC)	136	°C	ASTM D3418
Crystallization Heat	51.6	J/g	ASTM D3418
Heat of Fusion ⁶	52.7	J/g	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+14	ohms	ASTM D257
Volume Resistivity	> 1.0E+14	ohms · cm	ASTM D257
NOTE			
1.	Method 1		
2.	1.0 mm/min		
3.	50 mm/min		
4.	50 mm/min		

5.	4 mm thick, 2 m/s
6.	80°C to end of melting

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China

