

Technical Data Sheet

Solef[®] 3208/0150

Polyvinylidene Fluoride

Product Description

Low friction coefficient - Injection

General

Processing Method • Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.79 g/cm ³	1.79 g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR)			ISO 1133
230°C/2.16 kg	5.00 cm ³ /10min	5.00 cm ³ /10min	
230°C/5.0 kg	16 cm ³ /10min	16 cm ³ /10min	
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	276000 psi	1900 MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	7250 psi	50.0 MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	7.0 %	7.0 %	ISO 527-2/1A/50
Flexural Modulus ¹	276000 psi	1900 MPa	ISO 178
Flexural Stress ¹	9860 psi	68.0 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	5.7 ft·lb/in ²	12 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	No Break	No Break	ISO 179/1eU
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Shore Hardness (Shore D, 3 sec)	76	76	ISO 868
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature 264 psi (1.8 MPa), Unannealed	154 °F	68.0 °C	ISO 75-2/af
Vicat Softening Temperature			
--	336 °F	169 °C	ISO 306/A50
--	277 °F	136 °C	ISO 306/B50
Thermal Conductivity	1.7 Btu·in/hr/ft ² /°F	0.24 W/m/K	ISO 22007-2
Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Surface Resistivity	> 1.0E+14 ohms	> 1.0E+14 ohms	IEC 60093
Volume Resistivity	> 1.0E+14 ohms·m	> 1.0E+14 ohms·m	IEC 62631-3-1
Comparative Tracking Index (Solution A)	600 V	600 V	IEC 60112

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Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			
0.031 in (0.8 mm)	V-0	V-0	UL 94
0.06 in (1.6 mm)	V-0	V-0	UL 94 IEC 60695-11-10, -20
0.13 in (3.2 mm)	V-0	V-0	UL 94 IEC 60695-11-10, -20
0.03 in (0.8 mm)	V-0	V-0	IEC 60695-11-10, -20
Glow Wire Flammability Index			IEC 60695-2-12
0.06 in (1.5 mm)	1760 °F	960 °C	
0.12 in (3.0 mm)	1760 °F	960 °C	
Glow Wire Ignition Temperature			IEC 60695-2-13
0.06 in (1.5 mm)	1650 °F	900 °C	
0.12 in (3.0 mm)	1650 °F	900 °C	

Additional Information

- 1.) Not for use in food contact applications
- 2.) Not for use in medical or pharmaceutical applications

Notes

¹ 0.079 in/min (2.0 mm/min)

Notes

These are typical property values not to be construed as specification limits.