

Solef® 3208/0150

Polyvinylidene Fluoride

A. Schulman Europe

Message:

Low friction coefficient - Injection

General Information			
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	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	ISO 1133
230°C/5.0 kg	16.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 3 sec)	76		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1900	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	50.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	7.0	%	ISO 527-2/1A/50
Flexural Modulus ¹	1900	MPa	ISO 178
Flexural Stress ²	68.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	68.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	169	°C	ISO 306/A50
--	136	°C	ISO 306/B50
Thermal Conductivity	0.24	W/m/K	ISO 22007-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+14	ohms	IEC 60093
Volume Resistivity	> 1.0E+14	ohms · cm	IEC 60093
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94, IEC 60695-11-10, -20
0.800 mm	V-0		UL 94, IEC 60695-11-10, -20

1.60 mm	V-0		UL 94, IEC 60695-11-10, -20
3.20 mm	V-0		UL 94, IEC 60695-11-10, -20
Glow Wire Flammability Index			IEC 60695-2-12
1.50 mm	960	°C	IEC 60695-2-12
3.00 mm	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature			IEC 60695-2-13
1.50 mm	900	°C	IEC 60695-2-13
3.00 mm	900	°C	IEC 60695-2-13
Additional Information			
1.) Not for use in food contact applications2.) Not for use in medical or pharmaceutical applications			
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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