

Solef® 3108/0903

Polyvinylidene Fluoride

A. Schulman Europe

Message:

Anti-static - Injection

General Information			
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.78	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR)			ISO 1133
230°C/2.16 kg	1.00	cm ³ /10min	ISO 1133
230°C/5.0 kg	4.00	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 3 sec)	81		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2900	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	55.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	3.6	%	ISO 527-2/1A/50
Flexural Modulus ¹	2750	MPa	ISO 178
Flexural Stress ²			ISO 178
3.5% strain	72.0	MPa	ISO 178
6.0% strain	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	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			
0.45 MPa, not annealed	138	°C	ISO 75-2/Bf
1.8 MPa, not annealed	85.0	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	171	°C	ISO 306/A50
--	147	°C	ISO 306/B50
Thermal Conductivity	0.33	W/m/K	ISO 22007-2
Electrical	Nominal Value	Unit	Test Method
Electrical Resistivity - at 4 pole electrode		ohms · m	
Flammability	Nominal Value	Unit	Test Method
Flame Rating			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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