

Solef® 8808/0902

Polyvinylidene Fluoride

A. Schulman Europe

Message:

Carbon fibres reinforced - Injection

General Information			
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.77	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR)			ISO 1133
230°C/2.16 kg	3.00	cm ³ /10min	ISO 1133
230°C/5.0 kg	8.00	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 3 sec)	80		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10200	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	75.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	1.0	%	ISO 527-2/1A/5
Flexural Modulus ¹	7250	MPa	ISO 178
Flexural Stress ²			ISO 178
2.5% strain ³	80.0	MPa	ISO 178
1.8% strain	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	16	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	162	°C	ISO 75-2/Bf
1.8 MPa, not annealed	151	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	171	°C	ISO 306/A50
--	145	°C	ISO 306/B50
Thermal Conductivity	0.36	W/m/K	ISO 22007-2
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
3.	Break at 2.5%

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