HK:+852-69575415 China GuangDong:+13538586433 ShangHai:+18816996168

Technical Data Sheet

Solef PVDF 3208/0150 NAT TOL

Polyvinylidene Fluoride

Product Description

Low friction coefficient - Injection

Processing Method Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate			
(230 °C/2.16 kg)	5.0	cm³/10 min	ISO 1133
(230 °C/5.0 kg)	16	cm³/10 min	ISO 1133
Density, (Method A)	1.79	g/cm³	ISO 1183
Mechanical			
Tensile Stress at Yield, (Type 1A, 50 mm/min)	50.0	MPa	ISO 527-2
Flexural Modulus, (2.0 mm/min)	1900	MPa	ISO 178
Tensile Strain at Yield, (Type 1A, 50 mm/min)	7.0	%	ISO 527-2
Tensile Modulus, (1 mm/min, Type 1A)	1900	MPa	ISO 527-1
Flexural Stress, (2.0 mm/min)	68.0	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A)	12	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)	No Break		ISO 179
Hardness			
Shore Hardness, (Shore D, 3 sec)	76		ISO 868
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	136	°C	ISO 306
(A (10N), 50 °C/h)	169	°C	ISO 306
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	68.0	°C	ISO 75-2/A
Electrical			
Thermal Conductivity	0.24	W/m/K	ISO 22007-2
Volume Resistivity	>1.0E+14	ohm*m	IEC 62631-3-1
Comparative Tracking Index (CTI), (Solution A)	600	V	IEC 60112
Surface Resistivity	>1.0E+14	ohm	IEC 60093
Flammable			

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Glow Wire Flammability Index			
(1.5 mm)	960	°C	IEC 60695-2-12
(3.0 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature			
(1.5 mm)	900	°C	IEC 60695-2-13
(3.0 mm)	900	°C	IEC 60695-2-13
UL Information			
Flame Rating			
(1.6 mm)	V-0		UL 94
(3.2 mm)	V-0		UL 94
(0.8 mm)	V-0		UL 94
Flammability Classification			
(0.8 mm)	V-0		IEC 60695-11-10, -20
(1.6 mm)	V-0		IEC 60695-11-10, -20
(3.2 mm)	V-0		IEC 60695-11-10, -20