

Generic PFA

Perfluoroalkoxy

Generic

Message:

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This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	2.14 - 2.15	g/cm ³	ASTM D792
23°C	2.13 - 2.15	g/cm ³	ISO 1183
Apparent Density	0.55 - 1.20	g/cm ³	ASTM D1895
Melt Mass-Flow Rate (MFR)			
372°C/5.0 kg	1.7 - 26	g/10 min	ASTM D1238
372°C/5.0 kg	1.7 - 16	g/10 min	ISO 1133
Water Absorption (23°C, 24 hr)	0.030	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (23°C)	55 - 60		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Fracture, 23°C	20.7 - 26.1	MPa	ASTM D638
Fracture, 23°C	26.0 - 35.0	MPa	ISO 527-2
23°C	25.0 - 29.0	MPa	ASTM D638
23°C	25.0 - 28.2	MPa	ISO 527-2
Tensile Elongation			
Fracture, 23°C	300	%	ASTM D638
Fracture, 23°C	290 - 420	%	ISO 527-2
Flexural Modulus			
23°C	543 - 690	MPa	ASTM D790
23°C	550 - 627	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	305 - 311	°C	
CLTE - Flow	1.2E-4 - 1.6E-4	cm/cm/°C	ASTM D696
Specific Heat (23°C)	1.00 - 1050	J/kg/°C	ASTM C351
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity			
23°C	7.5E+16 - 1.0E+18	ohms · cm	ASTM D257
23°C	9.8E+17 - 1.0E+18	ohms · cm	IEC 60093
Dielectric Strength (23°C)	37 - 81	kV/mm	ASTM D149

Dielectric Constant (23°C)	2.00 - 2.10	ASTM D150
Dissipation Factor (23°C)	2.0E-4 - 5.0E-4	ASTM D150
Extrusion	Nominal Value	Unit
Melt Temperature	399 - 400	°C
Extrusion instructions		

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