

Generic FEP

Perfluoroethylene Propylene Copolymer

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic FEP
This information is provided for comparative purposes only.

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	2.12 to 2.15	g/cm³	ASTM D792
23°C	2.13 to 2.15	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			
372°C/5.0 kg	6.4 to 30	g/10 min	ASTM D1238
372°C/5.0 kg	2.9 to 31	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (23°C)	55 to 57		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	20.0 to 28.2	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	300 to 350	%	ASTM D638, ISO 527-2
Flexural Modulus (23°C)	520 to 581	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Compression Set	27 to 40	%	ASTM D395
Thermal	Nominal Value	Unit	
Melting Temperature	255 to 270	°C	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (23°C)	63 to 110	kV/mm	ASTM D149
Dielectric Constant (23°C)	2.03 to 2.05		ASTM D150
Dissipation Factor (23°C)	5.0E-5 to 8.3E-4		ASTM D150, IEC 60250

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