

INSTRUC ETFEGF25

Ethylene Tetrafluoroethylene Copolymer
Infinity LTL Engineered Compounds

Message:

INSTRUC ETFEGF25 is an Ethylene Tetrafluoroethylene Copolymer (ETFE) product filled with 25% glass fiber. It is available in North America.

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.85	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40 to 0.60	%	
Water Absorption (24 hr)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	86.2	MPa	ASTM D638
Tensile Elongation (Yield)	5.0 to 7.0	%	ASTM D638
Flexural Modulus	6210	MPa	ASTM D790
Flexural Strength	117	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	350	J/m	ASTM D256
Unnotched Izod Impact	750	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength	16	kV/mm	ASTM D149
Dielectric Constant			ASTM D150
100 Hz	3.40		
1 MHz	3.41		
Dissipation Factor			ASTM D150
100 Hz	3.0E-3		
1 MHz	8.0E-3		
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	316	°C	
Mold Temperature	121	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	40 to 70	rpm	

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Recommended distributors for this material

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