

INSTRUC ETFECF20

Ethylene Tetrafluoroethylene Copolymer

Infinity LTL Engineered Compounds

Message:

INSTRUC ETFECF20 is an Ethylene Tetrafluoroethylene Copolymer (ETFE) product filled with 20% carbon fiber. It is available in North America.

General Information			
Filler / Reinforcement	Carbon Fiber,20% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.72	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	62.1	MPa	ASTM D638
Tensile Elongation (Yield)	5.0 to 10	%	ASTM D638
Flexural Modulus	7930	MPa	ASTM D790
Flexural Strength	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	150	J/m	ASTM D256
Unnotched Izod Impact	430	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	204	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+2 to 1.0E+6	ohms	ASTM D257
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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