

# INSTRUC PFAGF20

Perfluoroalkoxy

Infinity LTL Engineered Compounds

Message:

INSTRUC PFAGF20 is a Perfluoroalkoxy (PFA) product filled with 20% glass fiber. It is available in North America. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.21	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.40 to 0.60	%	
Water Absorption (24 hr)	0.035	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	41.4	MPa	ASTM D638
Tensile Elongation (Yield)	4.0 to 6.0	%	ASTM D638
Flexural Modulus	4480	MPa	ASTM D790
Flexural Strength	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	320	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	149	°C	ASTM D648
Flammability	Nominal Value		
Flame Rating (1.50 mm)	V-0		
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	343 to 399	°C	
Mold Temperature	121 to 232	°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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