

# HiFill® PFA 4450

Perfluoroalkoxy  
Techmer Engineered Solutions

Message:

HiFill® PFA 4450 is a Perfluoroalkoxy (PFA) product. It can be processed by injection molding and is available in North America.  
Characteristics include:  
Flame Rated  
Copolymer

General Information			
Features	Copolymer		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.11	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	10	%	ASTM D955
Water Absorption (24 hr)	0.025	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	60		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.5	MPa	ASTM D638
Tensile Elongation (Break)	> 300	%	ASTM D638
Flexural Modulus	517	MPa	ASTM D790
Flexural Strength	44.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	260	°C	ASTM D696
Melting Temperature	304	°C	ASTM D3307
CLTE - Flow	1.1E-4	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+17	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Additional Information	Nominal Value		

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