

HiFill FR® MPR 76A FR 1000

High Density Polyethylene
Techmer Engineered Solutions

Message:

HiFill FR® MPR 76A FR 1000 is a High Density Polyethylene product. It can be processed by injection molding and is available in North America. Characteristics include:
Flame Rated
Flame Retardant

General Information			
Features	Flame Retardant		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5	%	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	5.03	MPa	
Break	5.69	MPa	
Tensile Elongation			ASTM D638
Yield	800	%	
Break	220	%	
Flexural Modulus	4.83	MPa	ASTM D790
Flexural Strength	19.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	240	J/m	ASTM D256
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	V-0		UL 94

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Recommended distributors for this material

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