

HiFill® TPX-IONOMER-02045 BK

Ionomer

Techmer Engineered Solutions

Message:

HiFill® TPX-IONOMER-02045 BK is an Ionomer product filled with 14% glass fiber. It can be processed by injection molding and is available in North America.

General Information			
Filler / Reinforcement	Glass Fiber, 14% Filler by Weight		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	96		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	60.7	MPa	ASTM D638
Tensile Elongation (Yield)	22	%	ASTM D638
Flexural Modulus	2450	MPa	ASTM D790
Flexural Strength	96.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	131	°C	ASTM D648
Melting Temperature	135	°C	DSC
CLTE - Flow	3.8E-5	cm/cm/°C	ASTM D696
Additional Information	Nominal Value		
TPCI #	8110160		

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Recommended distributors for this material

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