

HiFill® TPX-PBT-98010 BN069

 Techmer Polymer Modifiers - *Polybutylene Terephthalate*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Filler
Features	• High Density
Appearance	• Colors Available • Light Beige
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	2.00		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.011	in/in	ASTM D955
Water Absorption (24 hr)	0.080	%	ASTM D570
Mechanical			
Tensile Strength	6800	psi	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus	675000	psi	ASTM D790
Flexural Strength (Yield)	10300	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	0.80	ft-lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	10	ft-lb/in	ASTM D4812
Hardness			
Rockwell Hardness (R-Scale)	120		ASTM D785
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	380	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	280	°F	ASTM D648
Melting Temperature	432	°F	
CLTE - Flow	1.4E-5	in/in/°F	ASTM D696
Electrical			
Volume Resistivity	1.0E+17	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	500	V/mil	ASTM D149

