

HiFill® PBT E

 Techmer Polymer Modifiers - *Polybutylene Terephthalate*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Features	• High Viscosity
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Extrusion • Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.31		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.016	in/in	ASTM D955
Water Absorption (24 hr)	0.080	%	ASTM D570
Mechanical			
	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	8000	psi	ASTM D638
Tensile Elongation (Yield)	300	%	ASTM D638
Flexural Modulus	350000	psi	ASTM D790
Flexural Strength	11500	psi	ASTM D790
Impact			
	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	0.90	ft·lb/in	ASTM D256
Hardness			
	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112		ASTM D785
Thermal			
	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	125	°F	ASTM D648
CLTE - Flow	7.0E-5	in/in/°F	ASTM D696
Electrical			
	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	410	V/mil	ASTM D149
Flammability			
	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

