

HiFill® PBT GF33 IM

 Techmer Polymer Modifiers - *Polybutylene Terephthalate*
General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Filler / Reinforcement	<ul style="list-style-type: none"> Glass Fiber, 33% Filler by Weight
Additive	<ul style="list-style-type: none"> Impact Modifier
Features	<ul style="list-style-type: none"> High Impact Resistance
Appearance	<ul style="list-style-type: none"> Colors Available
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.52		ASTM D792
Molding Shrinkage - Flow (0.125 in)	5.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.050	%	ASTM D570
Mechanical			
Tensile Strength (Break)	17000	psi	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	1.10E+6	psi	ASTM D790
Flexural Strength	25000	psi	ASTM D790
Impact			
Notched Izod Impact (0.250 in)	2.4	ft·lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	118		ASTM D785
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	435	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	402	°F	ASTM D648
CLTE - Flow	1.4E-5	in/in/°F	ASTM D696
Flammability			
Flame Rating (0.06 in)	HB		UL 94

Notes
¹ Typical properties: these are not to be construed as specifications.
