

HiFill® PBT 0143 S

 Techmer Polymer Modifiers - *Polybutylene Terephthalate*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Metal
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.46		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.016	in/in	ASTM D955
Water Absorption (24 hr)	0.80	%	ASTM D570
Mechanical			
Tensile Strength (Yield)	7500	psi	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	400000	psi	ASTM D790
Flexural Strength	10000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	0.80	ft-lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	112		ASTM D785
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	130	°F	ASTM D648
CLTE - Flow	7.0E-5	in/in/°F	ASTM D696
Electrical			
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	410	V/mil	ASTM D149
Flammability			
Flame Rating	HB		UL 94

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