

HiFill® PBT 0188 B WT285

 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"> Barium Sulfate • Filler
Appearance	<ul style="list-style-type: none"> White
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.95		ASTM D792
Molding Shrinkage - Flow (0.125 in)	6.0E-3 to 9.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.00E+6	psi	ASTM D638
Tensile Strength (Yield)	10000	psi	ASTM D638
Tensile Strength (Break)	9500	psi	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.50	ft-lb/in	ASTM D256

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	180	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	450 to 480	°F
Middle Temperature	460 to 490	°F
Front Temperature	470 to 500	°F
Nozzle Temperature	480 to 510	°F
Processing (Melt) Temp	460 to 510	°F
Mold Temperature	125 to 200	°F
Injection Rate	Slow-Moderate	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Slow	

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