

HiFill® PBT GF15 BK

 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, 15% Filler by Weight
Appearance	<ul style="list-style-type: none"> Black
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.41		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	14000	psi	ASTM D638
Tensile Elongation (Break)	3.9	%	ASTM D638

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	46000	hr
Rear Temperature	460 to 500	°F
Middle Temperature	470 to 510	°F
Front Temperature	480 to 520	°F
Nozzle Temperature	485 to 525	°F
Processing (Melt) Temp	465 to 525	°F
Mold Temperature	125 to 175	°F
Injection Rate	Slow	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Slow-Moderate	

Notes

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

