

HiFill® PC/PET GF20 A1 LE BK

 Techmer Polymer Modifiers - *Polycarbonate + PET*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Features	• Low Extractables
Appearance	• Black
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.35		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	12600	psi	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	2.2	ft·lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	460 to 500	°F
Middle Temperature	470 to 510	°F
Front Temperature	480 to 520	°F
Nozzle Temperature	490 to 530	°F
Processing (Melt) Temp	465 to 525	°F
Mold Temperature	125 to 175	°F
Injection Rate	Slow	
Back Pressure	25.0 to 75.0	psi
Screw Speed	Slow-Moderate	

