

HiFill® PP LGF20 2000 BK 12MM

 Techmer Polymer Modifiers - *Polyethylene*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber
Appearance	• Black
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.03		ASTM D792
Mechanical			
Tensile Modulus	700000	psi	ASTM D638
Tensile Strength (Yield)	13000	psi	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	650000	psi	ASTM D790
Flexural Strength	18000	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	2.1	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	300	°F	ASTM D648

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	180	°F
Rear Temperature	440 to 480	°F
Middle Temperature	450 to 500	°F
Front Temperature	460 to 500	°F
Nozzle Temperature	450 to 590	°F
Processing (Melt) Temp	475 to 535	°F
Mold Temperature	45 to 65	°F
Injection Rate	Slow	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Slow	

