

**HiFill® PP GF20 CC HS**

 Techmer Polymer Modifiers - *Polypropylene*
**General Information**
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Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight
Additive	• Heat Stabilizer
Features	• Chemically Coupled • Heat Stabilized
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

**Properties <sup>1</sup>**

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	7.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.010	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength (Yield)	10300	psi	ASTM D638
Tensile Elongation (Break)	4.7	%	ASTM D638
Flexural Modulus	600000	psi	ASTM D790
Flexural Strength	15300	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F, 0.125 in)	1.2	ft·lb/in	ASTM D256
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	112		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (66 psi, Unannealed)	320	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	305	°F	ASTM D648
Melting Temperature	325	°F	
CLTE - Flow	2.5E-5	in/in/°F	ASTM D696
<b>Electrical</b>			
Volume Resistivity	4.0E+16	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	530	V/mil	ASTM D149
<b>Flammability</b>			
Flame Rating	HB		UL 94

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.
