

**HiFill FR® PP GF30 CC FR BK099**

 Techmer Polymer Modifiers - *Polypropylene*
**General Information**
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Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant
Appearance	• Black
Processing Method	• Injection Molding

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

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density / Specific Gravity	1.51		ASTM D792
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Modulus	1.20E+6	psi	ASTM D638
Tensile Strength (Yield)	10000	psi	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Notched Izod Impact (0.125 in)	1.4	ft·lb/in	ASTM D256
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flame Rating			UL 94
0.06 in	V-1		
0.12 in	V-0		

**Processing Information**

<b>Injection</b>	<b>Nominal Value</b>	<b>Unit</b>
Drying Temperature	150	°F
Drying Time	1.0 to 2.0	hr
Rear Temperature	430 to 450	°F
Middle Temperature	440 to 460	°F
Front Temperature	450 to 470	°F
Nozzle Temperature	445 to 465	°F
Processing (Melt) Temp	430 to 475	°F
Mold Temperature	70 to 120	°F
Injection Rate	Slow	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Slow-Moderate	

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