

**HiFill FR® PA6 GF33 FR-NR HS PL058**

 Techmer Polymer Modifiers - *Polyamide 6*
**General Information**
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Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 33% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant
Appearance	• Purple
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	1.50		ASTM D792
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Modulus	1.80E+6	psi	ASTM D638
Tensile Strength (Yield)	17000	psi	ASTM D638
Tensile Elongation (Break)	2.0	%	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 (0.06 in)	V-0		UL 94

**Processing Information**

<b>Injection</b>	<b>Nominal Value</b>	<b>Unit</b>
Drying Temperature	180	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	480 to 500	°F
Middle Temperature	510 to 540	°F
Front Temperature	510 to 540	°F
Nozzle Temperature	500 to 550	°F
Processing (Melt) Temp	475 to 550	°F
Mold Temperature	100 to 200	°F
Injection Rate	Slow-Moderate	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Slow	

