

**HiFill® PA 6/6 GF25 FR-NR IM**

 Techmer Polymer Modifiers - *Polyamide 66*
**General Information**

<b>General</b>			
Material Status	• Commercial: Active		
Availability	• North America		
Filler / Reinforcement	• Glass Fiber		
Additive	• Flame Retardant	• Impact Modifier	
Features	• Flame Retardant	• Halogen Free	• Impact Modified
Appearance	• Colors Available		
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	1.14		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.018	in/in	ASTM D955
Water Absorption (24 hr)	1.2	%	ASTM D570
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Strength (Yield)	12000	psi	ASTM D638
Tensile Elongation (Break)	60	%	ASTM D638
Flexural Modulus	420000	psi	ASTM D790
Flexural Strength	20000	psi	ASTM D790
<b>Hardness</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Rockwell Hardness (R-Scale)	105		ASTM D785
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load (264 psi, Unannealed)	190	°F	ASTM D648
<b>Electrical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	450	V/mil	ASTM D149
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flame Rating (0.06 in)	V-2		UL 94

