

**Plaslube® PA6/6,6 GF60 HS L**

Techmer Polymer Modifiers - *Polyamide 66/6 Copolymer*

**General**

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber
Additive	• Heat Stabilizer      • Lubricant
Features	• Copolymer      • Heat Stabilized      • Lubricated
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

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

	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
<b>Physical</b>			
Density / Specific Gravity	1.70		ASTM D792
Molding Shrinkage - Flow (0.125 in)	3.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.35	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength (Break)	35000	psi	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	255000	psi	ASTM D790
Flexural Strength	51000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F, 0.125 in)	3.5	ft·lb/in	ASTM D256
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	121		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (66 psi, Unannealed)	495	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	465	°F	ASTM D648
CLTE - Flow	7.0E-6	in/in/°F	ASTM D696
<b>Electrical</b>			
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	480	V/mil	ASTM D149
<b>Flammability</b>			
Flame Rating (0.06 in)	HB		UL 94

