

**Plaslube® PA6/12 05007**

Techmer Polymer Modifiers - Polyamide 12

**General**

Material Status	• Commercial: Active
Availability	• North America
Additive	• Heat Stabilizer      • Lubricant
Features	• Heat Stabilized      • Lubricated
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.05		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.016	in/in	ASTM D955
Water Absorption (24 hr)	0.25	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength (Yield)	8800	psi	ASTM D638
Tensile Elongation (Yield)	50	%	ASTM D638
Flexural Modulus	290000	psi	ASTM D790
Flexural Strength	12000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F, 0.125 in)	0.80	ft·lb/in	ASTM D256
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	114		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (66 psi, Unannealed)	310	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	131	°F	ASTM D648
CLTE - Flow	4.4E-5	in/in/°F	ASTM D696
<b>Electrical</b>			
Surface Resistivity	1.0E+14	ohms	ASTM D257
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
<b>Flammability</b>			
Flame Rating (0.06 in)	V-2		UL 94

