

Plaslube® PA6/6 GF40 IM HS L BK

 Techmer Polymer Modifiers - *Polyamide 66*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 40% Filler by Weight
Additive	• Heat Stabilizer • Impact Modifier • Lubricant
Features	• Heat Stabilized • High Impact Resistance • Lubricated
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.35		ASTM D792
Molding Shrinkage - Flow (0.125 in)	7.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Mechanical			
Tensile Strength (Break)	22000	psi	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	1.20E+6	psi	ASTM D790
Flexural Strength	30900	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	3.0	ft·lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	111		ASTM D785
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	490	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	480	°F	ASTM D648
CLTE - Flow	4.4E-5	in/in/°F	ASTM D696
Electrical			
Surface Resistivity	1.0E+12	ohms	ASTM D257
Volume Resistivity	1.0E+11	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	440	V/mil	ASTM D149
Flammability			
Flame Rating (0.06 in)	HB		UL 94
Additional Information			
TPCI #	6441101		

Notes
¹ Typical properties: these are not to be construed as specifications.
