

Plaslube® PA6/6,6 IM 5050 BK

Techmer Polymer Modifiers - *Polyamide 66/6 Copolymer*

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Heat Stabilizer • Impact Modifier • Lubricant
Features	• Copolymer • Impact Modified • Heat Stabilized • Lubricated
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.11		ASTM D792
Molding Shrinkage - Flow	0.013	in/in	ASTM D955
Water Absorption (24 hr)	1.5	%	ASTM D570
Mechanical			
Tensile Strength (Yield)	8500	psi	ASTM D638
Tensile Elongation (Yield)	100	%	ASTM D638
Flexural Modulus	300000	psi	ASTM D790
Flexural Strength (Yield)	13000	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	7.0	ft-lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	119		ASTM D785
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	345	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	150	°F	ASTM D648
CLTE - Flow	5.3E-5	in/in/°F	ASTM D696
Electrical			
Volume Resistivity	1.0E+15	ohms-cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	460	V/mil	ASTM D149
Flammability			
Flame Rating (0.06 in)	HB		UL 94

