

Plaslube® PA6 E M/SL4 MB

Techmer Polymer Modifiers - *Polyamide 6*

General Information

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Material Status	• Commercial: Active
Availability	• North America
Additive	• Molybdenum Disulfide Lubricant • Silicone Lubricant
Features	• Lubricated
Appearance	• Colors Available • Natural Color
Forms	• Pellets
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.16		ASTM D792
Molding Shrinkage - Flow	0.012	in/in	ASTM D955
Water Absorption (24 hr)	1.6	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	435000	psi	ASTM D638
Tensile Strength (Yield)	11500	psi	ASTM D638
Tensile Elongation (Break)	70	%	ASTM D638
Flexural Modulus	410000	psi	ASTM D790
Flexural Strength	15700	psi	ASTM D790
Compressive Strength	14000	psi	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	2.0	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	119		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	352	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	149	°F	ASTM D648
CLTE - Flow	4.6E-5	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	460	V/mil	ASTM D149

Notes

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

