

Plaslube® PA6 E M/SL4 MB

Techmer Polymer Modifiers - *Polyamide 6*

General

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

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.16	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.2	%	ASTM D955
Water Absorption (24 hr)	1.6	%	ASTM D570
Mechanical			
Tensile Modulus	3000	MPa	ASTM D638
Tensile Strength (Yield)	79.3	MPa	ASTM D638
Tensile Elongation (Break)	70	%	ASTM D638
Flexural Modulus	2830	MPa	ASTM D790
Flexural Strength	108	MPa	ASTM D790
Compressive Strength	96.5	MPa	ASTM D695
Impact			
Notched Izod Impact (3.18 mm)	110	J/m	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	119		ASTM D785
Thermal			
Deflection Temperature Under Load (0.45 MPa, Unannealed)	178	°C	ASTM D648
Deflection Temperature Under Load (1.8 MPa, Unannealed)	65.0	°C	ASTM D648
CLTE - Flow	8.3E-5	cm/cm/°C	ASTM D696
Electrical			
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	18	kV/mm	ASTM D149

