

Plaslube® PC MRX BK

 Techmer Polymer Modifiers - *Polycarbonate*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Lubricant
Features	• Lubricated • Wear Resistant
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.17		ASTM D792
Molding Shrinkage - Flow	8.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	8600	psi	ASTM D638
Tensile Elongation (Yield)	90	%	ASTM D638
Flexural Modulus	340000	psi	ASTM D790
Flexural Strength (Yield)	12100	psi	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.090		
vs. Steel - Static	0.060		
Wear Factor	58	10 ⁻¹⁰ in ³ ·min/ft·lb·hr	
Limiting Pressure Velocity - 10 fpm	22500.0	psi·fpm	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	15	ft·lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	No Break		ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	280	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	260	°F	ASTM D648
CLTE - Flow	3.8E-5	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257

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