

Plaslube® PA6 TSX15

 Techmer Polymer Modifiers - *Polyamide 6*
General Information
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Material Status	• Commercial: Active
Availability	• North America
Additive	• PTFE + Silicone Lubricant: 15%
Features	• Lubricated • Wear Resistant
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.20		ASTM D792
Molding Shrinkage - Flow (0.125 in)	5.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.60	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	10100	psi	ASTM D638
Tensile Elongation (Yield)	25	%	ASTM D638
Flexural Modulus	350000	psi	ASTM D790
Flexural Strength	13500	psi	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.20		
vs. Steel - Static	0.14		
Wear Factor	50	10 ⁻¹⁰ in ³ ·min/ft·lb·hr	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	1.2	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	340	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	140	°F	ASTM D648

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