

Plaslube® PC TL15

 Techmer Polymer Modifiers - *Polycarbonate*
General Information

General	
Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Additive	<ul style="list-style-type: none"> PTFE Lubricant
Features	<ul style="list-style-type: none"> Lubricated
Appearance	<ul style="list-style-type: none"> Colors Available
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.28		ASTM D792
Molding Shrinkage - Flow (0.125 in)	6.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.13	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	7100	psi	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	300000	psi	ASTM D790
Flexural Strength	11000	psi	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.15		
vs. Steel - Static	0.090		
Wear Factor	75	10 ⁻¹⁰ in ³ ·min/ft·lb·hr	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	3.7	ft·lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	20	ft·lb/in	ASTM D4812
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	75		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	280	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	265	°F	ASTM D648
CLTE - Flow	3.9E-5	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	400	V/mil	ASTM D149

