Plaslube® TPX-PA6/6-95001

Techmer Polymer Modifiers - *Polyamide 66*

General Information

Product Description	
Propritry lubricant	
General	
Material Status	• Commercial: Active
Availability	• North America
Additive	• Lubricant
Features	• Lubricated
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties [1]

Physical	**Nominal Value**	**Unit**	**Test Method**
Density / Specific Gravity	1.02		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.019	in/in	ASTM D955
Water Absorption (24 hr)	0.33	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	6700	psi	ASTM D638
Tensile Elongation (Break)	16	%	ASTM D638
Flexural Modulus	310000	psi	ASTM D790
Flexural Strength	14100	psi	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.35		
vs. Steel - Static	0.26		
Wear Factor	49	10^-10 in³·min/ft·lb·hr	ASTM D3702
Limiting Pressure Velocity - (10/100/1000 FPM)	6000/ 5500/ 5000	psi·fpm	
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F, 0.125 in)	1.4	ft·lb/in	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	78		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	160	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	150	°F	ASTM D648
CLTE - Flow	5.4E-5	in/in/°F	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	500	V/mil	ASTM D149
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.06 in)	HB		UL 94

Notes

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