Plaslube® PA6/6 X

Techmer Polymer Modifiers - *Polyamide 66*

General Information

General			
Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Lubricant		
Features	• Low Friction	• Lubricated	• Wear Resistant
Appearance	• Colors Available		
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.10		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.018	in/in	ASTM D955
Water Absorption (24 hr)	1.2	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	10000	psi	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus	360000	psi	ASTM D790
Flexural Strength	17000	psi	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.26		
vs. Steel - Static	0.21		
Wear Factor	200	10^-10 in³·min/ft·lb·hr	ASTM D3702
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F, 0.125 in)	0.80	ft·lb/in	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (M-Scale)	90		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	366	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	185	°F	ASTM D648
CLTE - Flow	4.3E-5	in/in/°F	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+13	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	550	V/mil	ASTM D149

Notes

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