

Plaslube® PA6 TL25

Techmer Polymer Modifiers - *Polyamide 6*

General Information

General		
Material Status	• Commercial: Active	
Availability	• North America	
Additive	• Heat Stabilizer	• PTFE Lubricant: 25%
Features	• Heat Stabilized	• Lubricated
Appearance	• Colors Available	
Forms	• Pellets	
Processing Method	• Injection Molding	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.31		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.017	in/in	ASTM D955
Water Absorption (24 hr)	1.0	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	8100	psi	ASTM D638
Tensile Elongation (Break)	9.5	%	ASTM D638
Flexural Modulus	310000	psi	ASTM D790
Flexural Strength	12000	psi	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.18		
vs. Steel - Static	0.10		
Wear Factor	12	10 ⁻⁴ -10 in ³ ·min/ft·lb·hr	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	1.0	ft·lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	275	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	175	°F	ASTM D648
CLTE - Flow	4.7E-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))	400	V/mil	ASTM D149

Notes

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

