

Plaslube® PA6 TS18

 Techmer Polymer Modifiers - *Polyamide 6*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Additive	• PTFE + Silicone Lubricant: 18%
Features	• Lubricated
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.24		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.017	in/in	ASTM D955
Water Absorption (24 hr)	0.90	%	ASTM D570
Mechanical			
Tensile Strength (Break)	9500	psi	ASTM D638
Tensile Elongation (Break)	9.5	%	ASTM D638
Flexural Modulus	330000	psi	ASTM D790
Flexural Strength	13000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	1.0	ft-lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	116		ASTM D785
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	350	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	135	°F	ASTM D648
CLTE - Flow	4.7E-5	in/in/°F	ASTM D696
Electrical			
Volume Resistivity	1.0E+14	ohms-cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	500	V/mil	ASTM D149

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