

Plaslube® PA6 NAT001

 Techmer Polymer Modifiers - *Polyamide 6*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Features	• Good Processability • High Flow
Appearance	• Colors Available • Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.14		ASTM D792
Molding Shrinkage - Flow	0.014	in/in	ASTM D955
Water Absorption (24 hr)	1.6	%	ASTM D570
Mechanical			
Tensile Strength (Yield)	10800	psi	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	420000	psi	ASTM D790
Flexural Strength	14500	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	1.7	ft-lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	102		ASTM D785
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	340	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	135	°F	ASTM D648
CLTE - Flow	6.0E-5	in/in/°F	ASTM D696
Electrical			
Volume Resistivity	1.0E+13	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	460	V/mil	ASTM D149
Additional Information			
TPCI #	1327102		

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