

Plaslube® PA6/6 T/AL20 HS

Techmer Polymer Modifiers - *Polyamide 66*

General Information

General		
Material Status	• Commercial: Active	
Availability	• North America	
Filler / Reinforcement	• Aramid Fiber, 10% Filler by Weight	
Additive	• Heat Stabilizer	• PTFE Lubricant: 10%
Features	• Heat Stabilized	• Lubricated
	• Low Friction	• Wear Resistant
Appearance	• Colors Available	
Forms	• Pellets	
Processing Method	• Injection Molding	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.22		ASTM D792
Molding Shrinkage - Flow (0.125 in)	8.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.75	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	12300	psi	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	500000	psi	ASTM D790
Flexural Strength	20000	psi	ASTM D790
Coefficient of Friction			ASTM D1894
--	0.10		
vs. Steel - Dynamic	0.18		
Wear Factor	20	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)	0.80	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	450	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	350	°F	ASTM D648
Melting Temperature	491	°F	
CLTE - Flow	3.7E-5	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	450	V/mil	ASTM D149

Notes

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

