

# Plaslube® PA6/6 T/AL20 HS

Polyamide 66

Techmer Engineered Solutions

## Message:

Plaslube® PA6/6 T/AL20 HS is a Polyamide 66 (Nylon 66) product filled with 10% aramid fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

Heat Stabilizer

Lubricated

Wear Resistant

General Information			
Filler / Reinforcement	Aramid Fiber, 10% Filler by Weight		
Additive	Heat Stabilizer		
	PTFE Lubricant (10%)		
Features	Good Wear Resistance		
	Heat Stabilized		
	Low Friction		
	Lubricated		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.80	%	ASTM D955
Water Absorption (24 hr)	0.75	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	84.8	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	3450	MPa	ASTM D790
Flexural Strength	138	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
--	0.10		
vs. Steel - Dynamic	0.18		
Wear Factor	40	10 <sup>-8</sup> mm <sup>3</sup> /N · m	ASTM D3702
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	232	°C	

1.8 MPa, Unannealed	177	°C	
Melting Temperature	255	°C	
CLTE - Flow	6.7E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength <sup>1</sup>	18	kV/mm	ASTM D149
NOTE			

1. Method A (Short-Time)

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#### Recommended distributors for this material

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