

# Plaslube® PA6/6 TS20 HS

Polyamide 66  
Techmer Engineered Solutions

Message:

Plaslube® PA6/6 TS20 HS is a Polyamide 66 (Nylon 66) product. It can be processed by injection molding and is available in North America. Characteristics include:  
Flame Rated  
Lubricated  
Heat Stabilizer  
Wear Resistant

General Information			
Additive	Heat Stabilizer		
	PTFE Lubricant (18%)		
	Silicone Lubricant (2%)		
Features	Good Wear Resistance		
	Heat Stabilized		
	Lubricated		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.5	%	ASTM D955
Water Absorption (24 hr)	1.0	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	61.4	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	2340	MPa	ASTM D790
Flexural Strength	95.1	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.17		
vs. Steel - Static	0.11		
Wear Factor	24	10 <sup>-8</sup> mm <sup>3</sup> /N · m	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	43	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°C	ASTM D648

CLTE - Flow	2.7E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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#### Recommended distributors for this material

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