

# Plaslube® PA6/6 TS15 BK

Polyamide 66  
Techmer Engineered Solutions

Message:

Plaslube® PA6/6 TS15 BK is a Polyamide 66 (Nylon 66) product. It can be processed by injection molding and is available in North America. Characteristics include:  
Flame Rated  
Heat Stabilizer  
Lubricated  
Wear Resistant

General Information			
Additive	Heat Stabilizer		
	Lubricant		
Features	Good Wear Resistance		
	Heat Stabilized		
	Lubricated		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	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)	68.3	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790
Flexural Strength	91.7	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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