

# Plaslube® HTN 01420 BK

Polyamide  
Techmer Engineered Solutions

Message:

Plaslube® HTN 01420 BK is a Polyamide product. It can be processed by injection molding and is available in North America.  
Characteristics include:  
Flame Rated  
Heat Resistant  
Lubricated  
Wear Resistant

General Information			
Additive	Molybdenum Disulfide Lubricant		
Features	Good Wear Resistance		
	High Heat Resistance		
	Low Friction		
	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)	0.80	%	ASTM D955
Water Absorption (24 hr)	0.27	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	91.0	MPa	ASTM D638
Tensile Elongation (Break)	9.0	%	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength	124	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.31		
vs. Steel - Static	0.24		
Wear Factor	150	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 (1.8 MPa, Unannealed)	148	°C	ASTM D648
CLTE - Flow	4.7E-5	cm/cm/°C	ASTM D696

Flammability	Nominal Value	Test Method
Flame Rating (1.50 mm)	HB	UL 94

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

