

Plaslube® HTN 05007

Polyamide
Techmer Engineered Solutions

Message:

Plaslube® HTN 05007 is a Polyamide product. It can be processed by injection molding and is available in North America.
Characteristics include:
Flame Rated
Heat Resistant
Heat Stabilizer
Lubricated

General Information			
Additive	Heat Stabilizer		
	Lubricant		
Features	Heat Stabilized		
	High Heat Resistance		
	Lubricated		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.6	%	ASTM D955
Water Absorption (24 hr)	0.25	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	114		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	67.6	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength	96.5	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
vs. Steel - Dynamic	0.29		
vs. Steel - Static	0.23		
Wear Factor	100	10 ⁻⁸ mm ³ /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	224	°C	


1.8 MPa, Unannealed	121	°C	
CLTE - Flow	8.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+14	ohms	ASTM D257
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-2		UL 94

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Recommended distributors for this material

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