

Plaslube® PA6/6 TS20 FR BK

Polyamide 66
Techmer Engineered Solutions

Message:

Plaslube® PA6/6 TS20 FR 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
Flame Retardant
Heat Stabilizer
Lubricated
Wear Resistant

General Information			
Additive	Flame Retardant		
	Heat Stabilizer		
	PTFE + Silicone Lubricant		
Features	Flame Retardant		
	Good Wear Resistance		
	Heat Stabilized		
	Lubricated		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.49	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.9	%	ASTM D955
Water Absorption (24 hr)	0.45	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	7		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	42.1	MPa	ASTM D638
Tensile Elongation (Yield)	2.6	%	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength	62.7	MPa	ASTM D790
Wear Factor	14	10 ⁻⁸ mm ³ /N · m	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	27	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.18 mm)	230	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	169	°C	

1.8 MPa, Unannealed	80.0	°C	
CLTE - Flow	8.1E-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 (3.18 mm)	V-0		UL 94

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Recommended distributors for this material

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