Plaslube® PA6/12 GF30 TS15 BK

Polyamide 6/12 Copolymer

Techmer Engineered Solutions

Message:

Plaslube® PA6/12 GF30 TS15 BK is a Polyamide 6/12 Copolymer (Nylon 6/12) product filled with glass fiber. It can be processed by injection molding and is available in North America.
Characteristics include:
Flame Rated
Lubricated

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	PTFE + Silicone Lubricant		
Features	Heat Stabilized		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.41	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.30	%	ASTM D955
Water Absorption (24 hr)	0.14	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	125	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	7930	MPa	ASTM D790
Flexural Strength	193	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.18 mm)	120	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	218	°C	
1.8 MPa, Unannealed	216	°C	
CLTE - Flow	2.9E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength	20	kV/mm	ASTM D149
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.50 mm)	HB		UL 94

Recommended distributors for this material

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