

Plaslube® ABS/PBT 1000

Acrylonitrile Butadiene Styrene + PBT

Techmer Engineered Solutions

Message:

Plaslube® ABS/PBT 1000 is an Acrylonitrile Butadiene Styrene + PBT (ABS+PBT) product. It can be processed by injection molding and is available in North America. Primary characteristic: flame rated.

General Information			
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50	%	ASTM D955
Water Absorption (24 hr)	0.12	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	41.4	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	2280	MPa	ASTM D790
Flexural Strength	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	430	J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	99.4	°C	
1.8 MPa, Unannealed	79.4	°C	
CLTE - Flow	6.5E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength ¹	18	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
NOTE			

1. Method A (Short-Time)

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