

# HiFill® PA6/ABS 1120 B1

Polyamide 6 + ABS

Techmer Engineered Solutions

Message:

HiFill® PA6/ABS 1120 B1 is a Polyamide 6 + ABS (Nylon 6+ABS) product. It can be processed by injection molding and is available in North America. Characteristics include:  
Impact Modified  
Impact Resistant

General Information			
Additive	Impact Modifier		
Features	High Impact Resistance		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.90	%	ASTM D955
Water Absorption (24 hr)	1.5	%	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 (Yield)	110	%	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength	65.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	750	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	166	°C	
1.8 MPa, Unannealed	51.7	°C	
CLTE - Flow	9.9E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.0E+13	ohms · cm	ASTM D257
Dielectric Strength <sup>1</sup>	17	kV/mm	ASTM D149
NOTE			
1.	Method A (Short-Time)		

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Recommended distributors for this material

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