

HiFill® PA6 L LE MB

Polyamide 6
Techmer Engineered Solutions

Message:

HiFill® PA6 L LE MB is a Polyamide 6 (Nylon 6) product. It can be processed by injection molding and is available in North America. Typical application: Food Contact Applications.

Characteristics include:

Flame Rated
Heat Stabilizer
Lubricated

General Information			
Additive	Heat Stabilizer		
	Lubricant		
Features	Heat Stabilized		
	Low Extractables		
	Lubricated		
Agency Ratings	FDA Unspecified Rating		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.6	%	ASTM D955
Water Absorption (24 hr)	2.8	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	119		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	90.3	MPa	ASTM D638
Tensile Elongation (Break)	70	%	ASTM D638
Flexural Modulus	2830	MPa	ASTM D790
Flexural Strength	115	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	178	°C	
1.8 MPa, Unannealed	76.7	°C	
CLTE - Flow	8.3E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method


Volume Resistivity	1.0E+13	ohms·cm	ASTM D257
Dielectric Strength ¹	18	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.749 mm)	V-2		UL 94
Additional Information	Nominal Value		
TPCI #	7964102		
NOTE			
1.	Method A (Short-Time)		

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