

Polimid B EM1

Polyamide 6

Poliblend S.p.a.

Message:

Polimid B EM1 is a Polyamide 6 (Nylon 6) material. It is available in Africa & Middle East, Asia Pacific, Europe, or Latin America.

Important attributes of Polimid B EM1 are:

Flame Rated

Impact Resistant

General Information			
Features	Good Impact Resistance		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.10	g/cm ³	ISO 1183
Molding Shrinkage	1.1 to 1.5	%	
Water Absorption (23°C, 24 hr)	1.8	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2600	MPa	ISO 527-2
Tensile Stress (Yield)	78.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	6.0	%	
Break	85	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	10	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength	No Break		ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	175	°C	ISO 75-2/B
1.8 MPa, Unannealed	75.0	°C	ISO 75-2/A
Continuous Use Temperature ¹	80.0	°C	
Vicat Softening Temperature	205	°C	ISO 306/A120
Ball Pressure Test (165°C)	Pass		IEC 60695-10-2
Melting Temperature	222	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	> 600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.800 mm	HB		
1.60 mm	HB		
3.20 mm	HB		
Injection	Nominal Value	Unit	

Drying Temperature	80.0 to 100	°C
Drying Time	> 3.0	hr
Processing (Melt) Temp	230 to 250	°C
Mold Temperature	60.0 to 70.0	°C

NOTE

1.
- Without Load

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Recommended distributors for this material

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