

Polimid B 40 EM2

Polyamide 6

Poliblend S.p.a.

Message:

Polimid B 40 EM2 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 40 EM2 are:

- Flame Rated
- High Viscosity
- Impact Modified

General Information			
Additive	Impact Modifier		
Features	High Viscosity		
	Impact Modified		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183
Molding Shrinkage	1.1 to 1.5	%	
Water Absorption (23°C, 24 hr)	1.6	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2
Tensile Stress (Yield)	75.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	6.5	%	
Break	90	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	14	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	170	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ISO 75-2/A
Continuous Use Temperature ¹	80.0	°C	
Vicat Softening Temperature	200	°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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