

Polimid B AV HF

Polyamide 6
Poliblend S.p.a.

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Technical Data

Product Description

Polimid B AV HF 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 AV HF are:

- Flame Rated
- High Flow
- Low Viscosity

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English) • Technical Datasheet (Italian)
Search for UL Yellow Card	• Poliblend S.p.a.
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America
Features	• High Flow • Low Viscosity
Appearance	• Natural Color

Physical	Nominal Value Unit	Test Method
Density	1.14 g/cm ³	ISO 1183
Molding Shrinkage	1.0 to 1.4 %	
Water Absorption (23°C, 24 hr)	2.0 %	ISO 62

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	2900 MPa	ISO 527-2
Tensile Stress (Yield)	85.0 MPa	ISO 527-2
Tensile Strain		ISO 527-2
Yield	5.0 %	
Break	70 %	

Impact	Nominal Value Unit	Test Method
Notched Izod Impact Strength	5.5 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	180 °C	ISO 75-2/B
1.8 MPa, Unannealed	80.0 °C	ISO 75-2/A
Continuous Use Temperature ³	80.0 °C	
Vicat Softening Temperature	206 °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
0.8 mm	V-2	
1.6 mm	V-2	
3.2 mm	V-2	
Glow Wire Flammability Index (2.0 mm)	825 °C	IEC 60695-2-12

Injection	Nominal Value Unit
Drying Temperature	90 to 100 °C
Drying Time	> 3.0 hr
Processing (Melt) Temp	230 to 250 °C

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Injection	Nominal Value Unit
Mold Temperature	70 to 80 °C

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

³ Without Load

