

LUBEMID B27 MB NATURAL

Polyamide 6

LUBEN PLAST srl

Message:

Compound based on PA6 first choice. Lubricated with Molibdenum disulphide.

General Information			
Additive	Molybdenum Disulfide Lubricant		
Features	Lubricated		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.12 to 1.16	g/cm ³	ISO 1183/A
Water Absorption (23°C, 24 hr, 3.20 mm)	2.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3500 to 4000	MPa	ISO 527-2/1A/1
Tensile Stress			
Yield	50.0 to 60.0	MPa	ISO 527-2/1A/50
Break	50.0 to 60.0	MPa	
Tensile Strain			ISO 527-2/1A/50
Yield	8.0 to 10	%	
Break	15 to 20	%	ISO 178
Flexural Modulus ¹	3000 to 3500	MPa	
Flexural Stress ²	70.0 to 80.0	MPa	ISO 178
Impact	Nominal Value	Unit	
Charpy Notched Impact Strength (23°C)	4.0 to 5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	90 to 100	kJ/m ²	ISO 179/1eU
Notched Izod Impact			
23°C, 3.20 mm	35 to 45	J/m	ASTM D256A
23°C ³	100 to 110	kJ/m ²	ASTM D256
23°C	4.0 to 5.0	kJ/m ²	ISO 180/A
23°C ⁴	3.5 to 4.5	kJ/m ²	ASTM D256
Unnotched Izod Impact Strength (23°C)	90 to 100	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	115 to 165	°C	ASTM D648
0.45 MPa, Unannealed	160 to 170	°C	ISO 75-2/B
1.8 MPa, Unannealed, 3.20 mm	55.0 to 65.0	°C	ASTM D648
Vicat Softening Temperature			
--	205 to 215	°C	ISO 306/A120
--	200 to 210	°C	ISO 306/B120

Melting Temperature	210 to 225	°C	Internal Method
Flammability	Nominal Value	Unit	Test Method
Glow Wire Flammability Index (2.00 mm)	750	°C	IEC 60695-2-12
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		
3.	Notch E		
4.	Notch A		

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