

LUBEMID B27 GF50 NATURAL

Polyamide 6

LUBEN PLAST srl

Message:

Compound based on PA6 natural first choice. With glass fibres 50%

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.53 to 1.57	g/cm ³	ISO 1183/A
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11500 to 12500	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/5
Yield	160 to 170	MPa	
Break	160 to 170	MPa	
Tensile Strain			ISO 527-2/1A/5
Yield	1.5 to 2.0	%	
Break	1.5 to 2.0	%	
Flexural Modulus ¹	10500 to 11500	MPa	ISO 178
Flexural Stress ²	240 to 250	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12 to 18	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	100 to 110	kJ/m ²	ISO 179/1eU
Notched Izod Impact			
23°C, 3.20 mm	140 to 150	J/m	ASTM D256A
23°C ³	130 to 140	kJ/m ²	ASTM D256
23°C	12 to 18	kJ/m ²	ISO 180/A
23°C ⁴	14 to 15	kJ/m ²	ASTM D256
Unnotched Izod Impact Strength (23°C)	100 to 110	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	210 to 220	°C	ASTM D648
0.45 MPa, Unannealed	215 to 225	°C	ISO 75-2/B
1.8 MPa, Unannealed, 3.20 mm	200 to 210	°C	ASTM D648
Vicat Softening Temperature			
--	210 to 220	°C	ISO 306/A120
--	205 to 215	°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)	650	°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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