

LUBEMID B27 GF30 NATURAL

Polyamide 6

LUBEN PLAST srl

Message:

Compound based on PA6 natural first choice. With glass fibres 30%.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.33 to 1.37	g/cm ³	ISO 1183/A
Water Absorption (23°C, 24 hr, 3.20 mm)	1.4	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8000 to 8500	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/5
Yield	130 to 140	MPa	
Break	130 to 140	MPa	
Tensile Strain			ISO 527-2/1A/5
Yield	2.0 to 3.0	%	
Break	2.0 to 3.0	%	
Flexural Modulus ¹	7500 to 8000	MPa	ISO 178
Flexural Stress ²	175 to 185	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0 to 10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	70 to 80	kJ/m ²	ISO 179/1eU
Notched Izod Impact			
23°C, 3.20 mm	100 to 130	J/m	ASTM D256A
23°C ³	70 to 80	kJ/m ²	ASTM D256
23°C	8.0 to 10	kJ/m ²	ISO 180/A
23°C ⁴	10 to 13	kJ/m ²	ASTM D256
Unnotched Izod Impact Strength (23°C)	70 to 80	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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