

LUBEMID B27 GK30 NATURAL

Polyamide 6

LUBEN PLAST srl

Message:

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

General Information			
Filler / Reinforcement	Glass Bead,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	3500 to 4200	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/5
Yield	45.0 to 50.0	MPa	
Break	40.0 to 45.0	MPa	
Tensile Strain			ISO 527-2/1A/5
Yield	3.0 to 4.0	%	
Break	6.0 to 8.0	%	
Flexural Modulus ¹	2700 to 3300	MPa	ISO 178
Flexural Stress ²	80.0 to 90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0 to 4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	25 to 35	kJ/m ²	ISO 179/1eU
Notched Izod Impact			
23°C, 3.20 mm	40 to 50	J/m	ASTM D256A
23°C ³	30 to 40	kJ/m ²	ASTM D256
23°C	3.0 to 5.0	kJ/m ²	ISO 180/A
23°C ⁴	4.0 to 5.0	kJ/m ²	ASTM D256
Unnotched Izod Impact Strength (23°C)	25 to 35	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	190 to 200	°C	ASTM D648
0.45 MPa, Unannealed	190 to 200	°C	ISO 75-2/B
1.8 MPa, Unannealed, 3.20 mm	50.0 to 60.0	°C	ASTM D648
Vicat Softening Temperature			
--	200 to 210	°C	ISO 306/A120
--	190 to 200	°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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