

LUBEMID B27 ER NATURAL

Polyamide 6

LUBEN PLAST srl

Message:

Compound based on PA6 natural first choice. Nucleated and lubricated for faster cycles.

General Information			
Additive	Lubricant		
	Nucleating Agent		
Features	Fast Molding Cycle		
	Lubricated		
	Nucleated		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.11 to 1.15	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	3200 to 3800	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	55.0 to 75.0	MPa	
Break	40.0 to 60.0	MPa	
Tensile Strain			ISO 527-2/1A/50
Yield	7.0 to 12	%	
Break	20 to 25	%	
Flexural Modulus ¹	2000 to 2500	MPa	ISO 178
Flexural Stress ²	60.0 to 80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.5 to 6.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Notched Izod Impact			
23°C, 3.20 mm	45 to 60	J/m	ASTM D256A
23°C ³	No Break		ASTM D256
23°C	4.5 to 6.5	kJ/m ²	ISO 180/A
23°C ⁴	4.5 to 6.0	kJ/m ²	ASTM D256
Unnotched Izod Impact Strength (23°C)	No Break		ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	155 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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