

LUBEMID B27 EL80 NATURAL

Polyamide 6

LUBEN PLAST srl

Message:

Compound based on PA6 natural first choice. Impact modified. Super tough.

General Information			
Additive	Impact Modifier		
Features	Impact Modified		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.05 to 1.09	g/cm ³	ISO 1183/A
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200 to 2600	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	45.0 to 55.0	MPa	
Break	40.0 to 50.0	MPa	
Tensile Strain			ISO 527-2/1A/50
Yield	10 to 20	%	
Break	35 to 40	%	
Flexural Modulus ¹	1500 to 2000	MPa	ISO 178
Flexural Stress ²	45.0 to 55.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	45 to 55	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	500 to 600	J/m	ASTM D256A
23°C ³	No Break		ASTM D256
23°C	55 to 60	kJ/m ²	ISO 180/A
23°C ⁴	50 to 60	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	160 to 170	°C	ASTM D648
0.45 MPa, Unannealed	165 to 175	°C	ISO 75-2/B
1.8 MPa, Unannealed, 3.20 mm	55.0 to 65.0	°C	ASTM D648
Vicat Softening Temperature			
--	195 to 205	°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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