

LUBEMID B27 NATURAL

Polyamide 6

LUBEN PLAST srl

Message:

Compound based on PA6 natural first choice. Lubricated and nucleated.

General Information			
Additive	Nucleating agent		
	Lubricant		
Features	Nucleated		
	Lubrication		
Appearance	Natural color		
Physical	Nominal Value	Unit	Test Method
Density	1.11 - 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 - 3800	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	55.0 - 75.0	MPa	ISO 527-2/1A/50
Fracture	40.0 - 60.0	MPa	ISO 527-2/1A/50
Tensile Strain			ISO 527-2/1A/50
Yield	7.0 - 12	%	ISO 527-2/1A/50
Fracture	20 - 25	%	ISO 527-2/1A/50
Flexural Modulus ¹	2000 - 2500	MPa	ISO 178
Flexural Stress ²	60.0 - 80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.5 - 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 - 60	J/m	ASTM D256A
23°C ³	No Break		ASTM D256
23°C	4.5 - 6.5	kJ/m ²	ISO 180/A
23°C ⁴	4.5 - 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, 3.20mm	155 - 165	°C	ASTM D648
0.45 MPa, not annealed	160 - 170	°C	ISO 75-2/B

1.8 MPa, unannealed, 3.20mm	55.0 - 65.0	°C	ASTM D648
Vicat Softening Temperature			
--	205 - 215	°C	ISO 306/A120
--	200 - 210	°C	ISO 306/B120
Melting Temperature	210 - 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.	Gap A		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT