

LUBEMID A26 GF20 NATURAL

Polyamide 66

LUBEN PLAST srl

Message:

Compound based on PA66 natural first choice. With glass fibres 20%.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.26 to 1.30	g/cm ³	ISO 1183/A
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6500 to 7000	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/5
Yield	110 to 120	MPa	
Break	110 to 120	MPa	
Tensile Strain			ISO 527-2/1A/5
Yield	2.5 to 3.0	%	
Break	2.5 to 3.0	%	
Flexural Modulus ¹	6000 to 6500	MPa	ISO 178
Flexural Stress ²	140 to 150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.5 to 6.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	35 to 45	kJ/m ²	ISO 179/1eU
Notched Izod Impact			
23°C, 3.20 mm	55 to 70	J/m	ASTM D256A
23°C ³	40 to 50	kJ/m ²	ASTM D256
23°C	35 to 45	kJ/m ²	ISO 180/A
23°C ⁴	5.5 to 7.0	kJ/m ²	ASTM D256
Unnotched Izod Impact Strength (23°C)	35 to 45	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	245 to 255	°C	ASTM D648
0.45 MPa, Unannealed	245 to 255	°C	ISO 75-2/B
1.8 MPa, Unannealed, 3.20 mm	235 to 245	°C	ASTM D648
Vicat Softening Temperature			
--	245 to 255	°C	ISO 306/A120
--	235 to 245	°C	ISO 306/B120
Melting Temperature	250 to 265	°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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