

LUBEMID A26 GK50 NATURAL

Polyamide 66

LUBEN PLAST srl

Message:

Compound based on PA6,6 first choice natural colour. With glass beads 50%.

General Information			
Filler / Reinforcement	Glass Bead,50% Filler by Weight		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.53 to 1.57	g/cm ³	ISO 1183/A
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4000 to 4500	MPa	ISO 527-2/1A/1
Tensile Stress			
Yield	60.0 to 70.0	MPa	ISO 527-2/1A/5
Break	55.0 to 65.0	MPa	
Tensile Strain			ISO 527-2/1A/5
Yield	2.0 to 3.0	%	
Break	4.0 to 5.0	%	
Flexural Modulus ¹	3000 to 4000	MPa	ISO 178
Flexural Stress ²	105 to 115	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5 to 4.5	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	50 to 60	J/m	ASTM D256A
23°C ³	40 to 50	kJ/m ²	ASTM D256
23°C	3.5 to 4.5	kJ/m ²	ISO 180/A
23°C ⁴	5.0 to 6.0	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	235 to 245	°C	ASTM D648
0.45 MPa, Unannealed	230 to 240	°C	ISO 75-2/B
1.8 MPa, Unannealed, 3.20 mm	70.0 to 80.0	°C	ASTM D648
Vicat Softening Temperature			
--	240 to 250	°C	ISO 306/A120
--	230 to 240	°C	ISO 306/B120
Melting Temperature	250 to 265	°C	Internal Method
NOTE			

1.	2.0 mm/min
2.	2.0 mm/min
3.	Notch E
4.	Notch A

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