

LUBLENE GK40 NATURAL

Polypropylene

LUBEN PLAST srl

Message:

Compound based on PP first choice natural. With glass beads 40%.

General Information			
Filler / Reinforcement	Glass Bead,40% Filler by Weight		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.20 to 1.24	g/cm ³	ISO 1183/A
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200 to 3200	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/5
Yield	25.0 to 30.0	MPa	
Break	20.0 to 25.0	MPa	
Tensile Strain			ISO 527-2/1A/5
Yield	4.0 to 5.0	%	
Break	25 to 30	%	
Flexural Modulus ¹	1700 to 2700	MPa	ISO 178
Flexural Stress ²	35.0 to 45.0	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)	25 to 35	kJ/m ²	ISO 179/1eU
Notched Izod Impact			
23°C, 3.20 mm	30 to 40	J/m	ASTM D256A
23°C ³	25 to 35	kJ/m ²	ASTM D256
23°C	3.5 to 4.5	kJ/m ²	ISO 180/A
23°C ⁴	3.0 to 4.0	kJ/m ²	ASTM D256
Unnotched Izod Impact Strength (23°C)	25 to 35	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	120 to 130	°C	ASTM D648
0.45 MPa, Unannealed	125 to 135	°C	ISO 75-2/B
1.8 MPa, Unannealed, 3.20 mm	60.0 to 70.0	°C	ASTM D648
Vicat Softening Temperature			
--	100 to 110	°C	ISO 306/A120
--	95.0 to 105	°C	ISO 306/B120
NOTE			
1.	2.0 mm/min		

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

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