

LUBLENE GC30 NATURAL

Polypropylene

LUBEN PLAST srl

Message:

Compound based on PP natural first choice. With glass fibres and coupling agents.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Chemically Coupled		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.10 to 1.14	g/cm ³	ISO 1183/A
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500 to 5500	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/5
Yield	65.0 to 75.0	MPa	
Break	65.0 to 75.0	MPa	
Tensile Strain			ISO 527-2/1A/5
Yield	2.5 to 3.0	%	
Break	2.5 to 3.0	%	
Flexural Modulus ¹	4000 to 5000	MPa	ISO 178
Flexural Stress ²	70.0 to 80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	8.0 to 9.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40 to 50	kJ/m ²	ISO 179/1eU
Notched Izod Impact			
23°C, 3.20 mm	80 to 90	J/m	ASTM D256A
23°C ³	40 to 50	kJ/m ²	ASTM D256
23°C	8.0 to 9.0	kJ/m ²	ISO 180/A
23°C ⁴	8.0 to 9.0	kJ/m ²	ASTM D256
Unnotched Izod Impact Strength (23°C)	40 to 50	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed, 3.20 mm	145 to 155	°C	ASTM D648
0.45 MPa, Unannealed	145 to 155	°C	ISO 75-2/B
1.8 MPa, Unannealed, 3.20 mm	130 to 140	°C	ASTM D648
Vicat Softening Temperature			
--	155 to 165	°C	ISO 306/A120
--	125 to 135	°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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