

LUBEXAN 1522 GREY TQ

Polycarbonate

LUBEN PLAST srl

Message:

Compound based on Polycarbonate. Second choice. Coloured. Medium MFR. For standard injection moulding.

General Information			
Features	Medium Flow		
Appearance	Grey		
	Unspecified Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.17 to 1.21	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	15 to 22	g/10 min	ISO 1133
Water Absorption			ISO 62
23°C, 24 hr, 3.20 mm	0.15	%	
Saturation, 23°C, 3.20 mm	0.36	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000 to 2500	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	45.0 to 50.0	MPa	
Break	40.0 to 45.0	MPa	
Tensile Strain			ISO 527-2/1A/50
Yield	4.0 to 7.0	%	
Break	15 to 20	%	
Flexural Modulus ¹	1800 to 2200	MPa	ISO 178
Flexural Stress ²	50.0 to 60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	20 to 25	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	400 to 500	J/m	ASTM D256A
23°C ³	No Break		ASTM D256
23°C	20 to 25	kJ/m ²	ISO 180/A
23°C ⁴	40 to 50	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, 3.20 mm	130 to 140	°C	ASTM D648

0.45 MPa, Unannealed	135 to 145	°C	ISO 75-2/B
1.8 MPa, Unannealed, 3.20 mm	120 to 130	°C	ASTM D648
Glass Transition Temperature	140 to 150	°C	Internal Method
Vicat Softening Temperature			
--	140 to 150	°C	ISO 306/A120
--	135 to 145	°C	ISO 306/B120
Flammability	Nominal Value	Unit	Test Method
Glow Wire Flammability Index (2.00 mm)	850	°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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