

LUBEXAN 1522 NATURAL

Polycarbonate
LUBEN PLAST srl

Message:
Compound based on Polycarbonate. Second choice. Medium viscosity.

General Information			
Features	Medium Viscosity		
Appearance	Natural Color		
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	2500 to 3000	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	60.0 to 70.0	MPa	
Break	45.0 to 55.0	MPa	
Tensile Strain			ISO 527-2/1A/50
Yield	7.0 to 12	%	
Break	25 to 30	%	
Flexural Modulus ¹	2000 to 2500	MPa	ISO 178
Flexural Stress ²	55.0 to 65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Notched Izod Impact Strength ³ (23°C)	No Break		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	125 to 135	°C	ASTM D648
Glass Transition Temperature	140 to 150	°C	Internal Method
Vicat Softening Temperature			
--	135 to 145	°C	ISO 306/A120
--	130 to 140	°C	ISO 306/B120
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.20 mm)	V-2		UL 94

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		

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