

LUBEXAN 1015 GREY TQ

Polycarbonate

LUBEN PLAST srl

Message:

Compound based on Polycarbonate. Second choice. Coloured. High viscosity.

General Information			
Features	High Viscosity		
Appearance	Grey		
	Unspecified 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)	10 to 15	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)	25 to 30	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	450 to 550	J/m	ASTM D256A
23°C ³	No Break		ASTM D256
23°C	25 to 30	kJ/m ²	ISO 180/A
23°C ⁴	45 to 55	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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