

LUBEXAN 1522 FR NATURAL

Polycarbonate

LUBEN PLAST srl

Message:

Compound based on Polycarbonate. Second choice. Medium viscosity. Flame retarded. With halogen

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogenated		
	Medium Viscosity		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.18 to 1.22	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 2800	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	55.0 to 65.0	MPa	
Break	40.0 to 50.0	MPa	
Tensile Strain			ISO 527-2/1A/50
Yield	5.0 to 10	%	
Break	20 to 25	%	
Flexural Modulus ¹	2000 to 2300	MPa	ISO 178
Flexural Stress ²	50.0 to 60.0	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-0		UL 94
Glow Wire Flammability Index (2.00 mm)	960	°C	IEC 60695-2-12
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		
3.	Notch E		

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