

CALIBRE™ 320 UV

Polycarbonate Resin

Trinseo

Message:

CALIBRE™ 320 UV polycarbonate resin contains a proprietary UV stabilization package that combines industry standard stabilization against ultraviolet radiation with low plate-out and discoloration during processing. This will result in less downtime for cleaning and easier processing. This product is designed for co-extrusion as a 50 µm thick layer on standard PC for use in solid and multi-wall sheets.

Main Characteristics:

- Very low plate-out
- Very high thermal stability
- Very high color stability

General Information	
Additive	UV Stabilizer
Features	Good Color Stability
	Good Thermal Stability
Uses	Sheet
Forms	Pellets
Processing Method	Blow Molding
	Compression Molding
	Extrusion Coating
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	7.0	g/10 min	ISO 1133

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	70.0	MPa	
Break	72.0	MPa	
Tensile Strain			ISO 527-2/50
Yield	6.0	%	
Break	150	%	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			ISO 75-2/A
1.8 MPa, Unannealed	121	°C	
1.8 MPa, Annealed ¹	128	°C	
Vicat Softening Temperature	139	°C	ISO 306/B50

NOTE			
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1. Annealed at 110°C for 2 hr

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Recommended distributors for this material

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