



CALIBRE™ 320 UV

Trinseo - Polycarbonate Resin

Tuesday, November 5, 2019

General Information

Product Description

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

Material Status	• Commercial: Active		
Availability	• Europe	• Latin America	• North America
Additive	• UV Stabilizer		
Features	• Good Color Stability	• Good Thermal Stability	
Uses	• Sheet		
Forms	• Pellets		
Processing Method	• Blow Molding	• Extrusion Coating	
	• Compression Molding	• Sheet Extrusion	

ASTM & ISO Properties ¹

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	363000	psi	ISO 527-2/1
Tensile Stress (Yield)	10200	psi	ISO 527-2/50
Tensile Stress (Break)	10400	psi	ISO 527-2/50
Tensile Strain (Yield)	6.0	%	ISO 527-2/50
Tensile Strain (Break)	150	%	ISO 527-2/50
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	250	°F	ISO 75-2/A
Heat Deflection Temperature ² (264 psi, Annealed)	262	°F	ISO 75-2/A
Vicat Softening Temperature	282	°F	ISO 306/B50

Notes

¹ Typical properties: these are not to be construed as specifications.

² Annealed at 110°C for 2 hr