

CALIBRE™ 340 TNIR Polycarbonate Resin

Overview

CALIBRE™ 340 TNIR polycarbonate resin provides transparent solar heat reduction to solid or multi-wall sheets via the co-extrusion of a 150 to 250 µm thick layer in between the bulk PC layer and the UV cap layer. Sheets for outdoor applications require a protective UV-absorbing cap layer. It is recommended to coextrude a 50 micron thick cap layer from CALIBRE 320UV.

Main Characteristics:

- Transparent
- Solar Heat Reduction
- Neutral Tint
- High Light Transmission

Applications

- Transparent solid and multi-wall sheet extrusion

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.20 g/cm ³	1.20 g/cm ³	ASTM D792 ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	8.0 g/10 min	8.0 g/10 min	ASTM D1238 ISO 1133
Water Absorption			ISO 62
Saturation, 73°F (23°C)	0.32 %	0.32 %	
Equilibrium, 73°F (23°C), 50% RH	0.12 %	0.12 %	
Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Solar Heat Reduction			Trinseo Method
-- 1	50 to 52 °F	10 to 11 °C	
-- 2	50 to 52 °F	10 to 11 °C	
Injection	Nominal Value (English)	Nominal Value (SI)	
Drying Temperature	248 °F	120 °C	
Drying Time	4.0 hr	4.0 hr	