

## 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. It is recommended to use CALIBRE 320UV as UV cap layer.

#### Main Characteristics:

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

#### Applications

- Clear sheet extrusion
- Solid and Multi Wall Polycarbonate sheet

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.20 g/cm <sup>3</sup>	1.20 g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	8.0 g/10 min	8.0 g/10 min	ISO 1133
Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Transmittance			Trinseo Method
-- 1	67.0 %	67.0 %	
-- 2	60.0 %	60.0 %	
Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Solar Heat Reduction			Trinseo Method
-- 3	50 to 52 °F	10 to 11 °C	
-- 4	50 to 52 °F	10 to 11 °C	

### Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

<sup>1</sup> Light transmission with a 200 µm thick co-extruded layer in between the bulk PC layer (CALIBRE 302-5 TC 030003) and a 40 µm UV cap layer (CALIBRE 320UV) for a 2 mm thick solid polycarbonate sheet.

<sup>2</sup> Light transmission with a 200 µm thick co-extruded layer in between the bulk PC layer (CALIBRE 503-5 TC 030003) and a 40 µm UV cap layer (CALIBRE 320UV) for a 10 mm thick twin wall polycarbonate sheet.

<sup>3</sup> Solar Heat Reduction with a 200 µm thick co-extruded layer in between the bulk PC layer (CALIBRE 302-5 TC 030003) and a 40 µm UV cap layer (CALIBRE 320UV) for a 2 mm thick solid polycarbonate sheet.

<sup>4</sup> Solar Heat Reduction with a 200 µm thick co-extruded layer in between the bulk PC layer (CALIBRE 503-5 TC 030003) and a 40 µm UV cap layer (CALIBRE 320UV) for a 10 mm thick twin wall polycarbonate sheet.



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