



# Regalite

## CLEAR PRESSED VINYL SHEET

*This data sheet corresponds to the Regalite product used in the manufacture of MagnaTrack exterior shade systems*

### Product Overview

- Description:** 20 mil (.508 mm) clear press polished PVC sheet.
- Applications:** Flexible glass-like windows for applications such as exterior rollershades.
- Processing:** RF welding or cut & sew

### Compliance

- ANSI/SAE Z26.1:** American National Standard for Safety Glazing Materials (US DOT)
- ECE Regulation 43:** Uniform Provisions Concerning the Approval of Safety Glazing Materials

### Dimensional & Weight Properties

- Thickness:** .020" (.508 mm)
- Density:** 1.30 +/- .05
- Mass:** 650 g/m<sup>2</sup> (nominal for 20 mil)
- Sheet Dimensions:** 54 x 110 inches

### Physical Properties

	Test Result	Testing Method
<b>Elongation:</b>	> 300 %	ASTM D412
<b>Tensile Strength:</b>	> 3000 psi	ASTM D412
<b>Tear Strength:</b>	> 500 ppi	ASTM D1004
<b>Low Temperature Flexibility:</b>	- 20°C	SAE J323-A
<b>Dimensional Stability:</b>	< 2 %	ASTM D1204 (15m @ 100°C)

### Colorfastness & Surface Durability

	Test Result	Testing Method
<b>Xenon Weathering:</b>	> 95 % clarity retention	ANSI SAE Z26.1, Test 16
<b>Chemical Resistance:</b>	Pass	ANSI SAE Z26.1, Tests 19 & 20
<b>Luminous Transmittance:</b>	≈ 85-87% (clear vinyl)	ASTM D1003
<b>Haze:</b>	≈ 1% (clear vinyl)	ASTM D1003

### Additional Properties

	Test Result	Testing Method
<b>Volatile Loss:</b>	< 1%	CLP463-DD-04-01
<b>Durometer (Hardness):</b>	90 +/- 5	ASTM D2240 (A scale)
<b>Burn Rate:</b>	Non-Sustaining FlameSelf-	ANSI Z26.1, Test 23
<b>Flammability:</b>	Self-Extinguishing	FMVSS 302
<b>Flammability:</b>	Does Not Ignite (Meets Class I, CS 191-53)	CAL 117 E

*Properties listed do not constitute a warranty or specification.*

*Test values are based on materials conditioned and tested in a controlled laboratory using established standards and procedures*

