

"IA" Press Polished Sheet



Regalite optically clear press polished vinyl is also available in charcoal and green tints. This product is manufactured in individual sheets in a variety of thicknesses and dimensions up to jumbo sheets 54 x 110 inches.

Product Overview

Description: Single, double and triple ply press polished PVC available in clear and various tints, 20-50 mil (0.5 - 1.3mm).

Applications: Flexible glass-like windows for automotive and marine applications and various other uses including protective masks, exterior signage and industrial applications.

Processing: RF welding, cut & sew

Compliance

Complies with the following Standards:

- : 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 (Europe)
- : Chrysler MS-DC31 - Press Polished Automotive Safety Glazing

Dimensional & Weight Properties

Skin Thickness	:	Various--typically 20 to 50 mil (0.5 - 1.3 mm)
Density	:	1.30 +/- .05
Mass	:	1300 g/m ² (nominal for 40 mil construction)
Dimensions	:	Various--typical sizes include 24x54, 29x62, 29x68, 54x110 inches

Physical Properties

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

Colorfastness & Surface Durability

Xenon Weathering	:	>95% clarity retention	ANSI SAE Z26.1, Test 16
Chemical Resistance	:	Pass	ANSI SAE Z26.1, Tests 19 & 20
Luminous Transmittance	:	≈85-87% (clear vinyl), ≈17-20% (charcoal)	ASTM D1003
Haze	:	≈1% (clear vinyl)	ASTM D1003

Additional Properties

Volatile Loss	:	<1%	CLP463-DD-04-01
Durometer (Hardness)	:	90 +/- 5	ASTM D2240 (A scale)
Burn Rate	:	Non-Sustaining Flame	ANSI Z26.1, Test 23
Flammability	:	Self-Extinguishing	FMVSS 302
Flammability	:	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. Properties vary based on embossed grain, color, multiply lamination and other variables.

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