

Automotive Press Polished Sheet



Continental 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 of 54 x 110 inches.

Product Overview

Description	Single, double and triple ply press polished PVC available in clear and various tints, 20 to 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

Thickness	Various - typically 20 to 60 mil (0.5 - 1.5 mm)
Density	1.30 +/- 0.05 g/cm ³
Mass	1,300 g/m ² (nominal for 40 mil construction)
Dimensions	Various-typical sizes include 24 x 54, 29 x 62, 29 x 68

Physical Properties

Elongation	>300%	ASTM D412
Tensile Strength	>3,000 psi	ASTM D412
Tear Strength	>500 ppi	ASTM D1004
Low Temperature Impact	-20°C	SAE J323-A
Dimensional Stability	<1%	ASTM D1204 (15m at 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)	53 +/- 3	ASTM D2240 (D 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 material conditioned and tested in a controlled laboratory using established standards and procedures. Properties vary based on embossed grain, color, multi-ply lamination and other variables.

