

AMBERLITE IS MANUFACTURED USING SEVERAL HIGH PERFORMANCE MODIFIED RESINS, INCLUDING, ACRYLIC, CROSS LINKED ACRYLIC AND PETG.

DATA

Test Item	Test Method	Test Result
Specific Gravity	JC908:2002	1.7-1.9g/cm
Water Absorption	JC908:2002	0.03%
Barcol Hardness	GB3854	≥50
Tensile Strength	GB/T 2568	23.65Mpa
Bending Strength	GB/2570	44.07Mpa
Elongation Ratio	GB/T 2568	0.35%
Glassiness	GB/2571	4KJ/m ²

Test Item	Test Method	Test Result
Abrasive Resistance & Cleanness	ANSI-Z124	first reflection causes 2%, re-grinding leads to 1% loss
Impact Strength	ANSI-124	No crevice
Color Fastness	ANSI-124	no change after 200-hour ultraviolet radiation
Temperature Resistance	ANSI-124.6	no change under 180°C for 20 minutes
Pollution Resistance	ANSI-124.6	Index 30
Chemical Resistance	ANSI-124.6	Pass
Load Test	ANSI-124.6	no crevice 0.2mm deviation after unloading
Flame Retardance & Oxygen Index	ASTM-D-2863	Pass

SIZE

Standard panel size 2440mm x 1220mm with others available on request.

SHEET THICKNESS

Amberlite is available in several standard thickness levels:

- 6mm (11kg per sqm) = 1/4" (2.23 lbs per sq foot)
- 8mm (14kg per sqm) = 5/16" (2.79 lbs per sq foot)
- 10mm (18kg per sqm) = 3/8" (3.62 lbs per sq foot)
- 12mm (22kg per sqm) = 1/2" (4.46 lbs per sq foot)

with a standard tolerance level of +/- 10% of nominal.

FINISHES

Smooth & textured available. Polished or matt.