



Physical Properties	Specifications
Substrate	Acrylic
Substrate Colours	Black, White, Transparent, Blue and Red
Substrate Gauges	0.020 mils
Sheet Sizes	24.25" x 49"
Fabrication Properties	Router, saw, die-cut and laser
UV Light Resistance	500 hours of QUV or equivalent of 2 years without any colour change or fading
Abrasion	Taber testing < 200 cycles with CS17 wheel/500 grams
Cleaning Instructions	Not applicable
Optical	Not applicable
Vicat Softening Temperature	ASTM D-1525 227 degrees F
Specific Gravity	ASTM D-792 1.16
Tensile Modulus	ASTM D-638 255,000 p.s.i.
Izod Impact Strength	ASTM D-256 @ 73 F 1.20 ft-lbs/in notch
Temperature Range in Continual Use	ASTM D-3418 150–170 degrees F
Tensile Elongation at Break	ASTM D-638 38%
Tensile Strength @ Maximum	ASTM D-638 6,500 p.s.i.
Flexural Strength @ Maximum	ASTM D-790 8,890 p.s.i.
Heat Deflection Temperature	ASTM D-648 (@ 264 p.s.i.; annealed) 176 degrees F
Hardness	ASTM D-785 40M Rockwell
Glass Transition Temperature Tg	ASTM D-3418 226 degrees F

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