



Physical Properties	Specifications
Substrate	Acrylic
Substrate Colours	Black and White (Blue, Red available in some gauges)
Substrate Gauges	0.020 to 0.120 mils
Sheet Sizes	24.25" x 49"
Fabrication Properties	Router, shearing, laser, saws, drills, grooving and chamfering
UV Light Resistance	UV-resistant
Abrasion	Not applicable
Cleaning Instructions	Not applicable
Optical	Matt surface
Vicat Softening Temperature	ASTM D-1525 208 degrees F (50 degrees C/h; 10 N) ASTM D-1525 187 degrees F (50 degrees C/h; 50 N)
Specific Gravity	ASTM D-792 1.15
Tensile Modulus	ASTM D-638 270,000 p.s.i.
Izod Impact Strength	ASTM D-256 @ 73 F 1.1 ft-lbs/in notch
Flexural Modulus	ASTM D-790 270,000 p.s.i.
Thermal Conductivity	ASTM C177 1.5 BTU/h*ft <sup>2</sup> *F/in
Tensile Strength @ Maximum	ASTM D-638 5,500 p.s.i.
Flexural Strength @ Maximum	ASTM D-790 10,300 p.s.i.
Heat Deflection Temperature	ASTM D-648 (0.455 MPa; annealed) 192 degrees F ASTM D-648 (1.82 MPa; annealed) 175 degrees F
Hardness	ASTM D-785 45M Rockwell
Melt Flow Rate	ASTM D-1238 1.0 g/10 min (230 degrees C/3.8 kg)

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