



Physical Properties	Specifications
Substrate	Acrylic
Substrate Colours	Black, White, Transparent, Blue and Red
Substrate Gauges	0.030 to 0.120 mils
Sheet Sizes	24.25" x 49"
Fabrication Properties	Router, saw, die-cut and laser
UV Light Resistance	Q Panel Accelerated Weathering Tester/UVA-340 EL Lamps > 300 hours of continuous UV/moisture exposure
Abrasion	No visible change when tested with 0000 steel wool; Taber testing > 200 cycles with CS 17 wheel/500 grams
Cleaning Instructions	Any cleaning material that dissolves or releases the dirt or stain from the surface can be used to clean AGM or AGG series. Water or mild household detergents should be applied generously using a soft cloth with minimal pressure to avoid micro-scratching the soiled area. Do not use abrasives such as rubbing compounds or cleaners.
Optical	Glossy Finish
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 ² *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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