



### Technical Data Sheet

<u>Physical Properties</u>	<u>Specifications</u>
<b>Substrate:</b>	Acrylic
<b>Substrate Colors:</b>	Black & White
<b>Substrate Gauges:</b>	.020 to .060 mils
<b>Sheet Sizes:</b>	Up to 24.5” width x 144” length
<b>Fabrication Properties:</b>	Router, die-cut, shear and laser
<b>UV Light Resistance:</b>	Q panel Accelerated Weathering Tester/ UVB-313EL Lamps. >1000 hours continuous UV/moisture exposure
<b>Abrasion :</b>	Taber testing > 200 cycles CS17 wheel/500 gram
<b>Over-Printing:</b>	Decorative side of laminate is engineered for superior ink adhesion with solvent based inks.
<b>Optical:</b>	Gloss and Matte finish
<b>Vicat Softening Point</b>	ASTM D-1525 208 degrees F (50 degrees C/hr; 10N) ASTM D-1525 187 degrees F (50 degrees C/hr; 50N)
<b>Specific Gravity</b>	ASTM D-792 1.15
<b>Tensile Modulus</b>	ASTM D-638 270,000 psi

<b>Izod Impact</b>	ASTM D-256 @ 73 F 1.1 ft-lbs/in notch
<b>Flexural Modulus</b>	ASTM D-790 270,000 PSI
<b>Thermal Conductivity</b>	ASTM C177 1.5 BTU/hr*ft <sup>2</sup> *F/in
<b>Tensile Strength @ Maximum</b>	ASTM D-638 5,500 psi
<b>Flexural Strength @ Maximum</b>	ASTM D-790 10,300 psi
<b>Heat Deflection Temperature</b>	ASTM D-648 (0.455 MPa; annealed) 192 degrees F ASTM D-648 (1.82 MPa; annealed) 175 degrees F
<b>Hardness</b>	ASTM D-785 45M Rockwell
<b>Melt Flow Rate</b>	ASTM D-1238 1.0g/10 min (230 degrees C/3.8 kg)

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