



Substrate Data Sheet

2110 Clear Vinyl

General Discription: *This is a 2mil cast clear vinyl with clear permanent pressure sensitive modified acrylic adhesive and back with a Transparent Synthetic flat release liner.*

Production Data	Value	Test Method
Physical Properties		
Thickness	Film & Adhesive 2.5 to 3.5 mil (0.063 to 0.09 mm)	n/a
Applied Shrinkage	0.010 inch (0.3 mm) maximum	
Tensile Strength (mimimum)	5lbs/in @ 73°F (0.9kg/cm @ 23°C)	

Adhesion Properties**

Final adhesion value is 24 hours after application

ABS	4 pounds/inch (0.7kg/cm)	n/a
Acrylic	4 pounds/inch (0.7kg/cm)	
Acrylic Enamel	4 pounds/inch (0.7kg/cm)	
Aluminum, alodine	8 pounds/inch (1.4kg/cm)	
Chrome	5 pounds/inch (0.9kg/cm)	
Polycarbonate	4 pounds/inch (0.7kg/cm)	
Urethane Paints	4 pounds/inch (0.7kg/cm)	

Chemical Resistance Characteristics	Resists mild acids, alkalis, and salts Excellent water resistance
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Expected Exterior Life			Vertical Exposure: face of graphic is +/- 10 ° from vertical
United States	5 to 8 years		
U.S. Desert Southwest*	3 to 5 years		

*The U.S. Desert Southwest includes Arizona, New Mexico, and the desert areas of California, Nevada, Utah, and Texas. The exterior life of the products is reduced due to the high solar energy exposure in these areas.

Service Temperature Range	-40°F to 225°F (-40°C to 107°C)
Minimum Application Temperature	50°F (10°C)
Storage Stability	Two years when stored at 70°F (21°C) and 50% relative humidity

Product Performance and Suitability

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