



## Substrate Data Sheet

### 1151 Clear Polyester

**General Discription:** This is a topcoated thermal transfer printable clear polyester film coated with a permanent pressure sensitive acrylic adhesive and backed with two-side poly coated lay flat release liner.

Production Data	Value	Test Method
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#### Physical Properties

Thickness (Mils[microns])	Film	2.0 (51) +/- 10 %	ASTM D 3652 (Modified for use with non-tape products)
	Adhesive	1.5-1.6 (38-41) +/- 0.1 (3)	
	Liner	6.9 (175) +/- 10 %	

Dimensional Stability (%)	No shrinkage observed	On Al panel at 160°F (71°C) for 24 hr.
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#### Adhesion Properties\*\*

Adhesion From	Oz/In	N/m	ASTM D 903 (Modified for 72 hour dwell time)
Stainless Steel	102	1122	
Acrylic	93	1023	
Glass	100	1100	
Polypropylene***	15	165	

<b>Expected Shear</b>	100 +	ASTM D 3654 Method A
		a. 1hr. Dwell
		b. 1 sq. in. surface
		c. 4 lb. load

\*\* For guidance only, not to be used for setting specifications. Due to the custom nature of this product, the data presented are based on three or less production runs.

\*\*\* Sometime product shows zippy adhesion.

<b>Tack (gm/sq cm)</b>	1680	ASTM D 2979
<b>Expected Exterior Life</b>	2 Years	
<b>Service Temperature Range</b>	-40°F to 302°F (-40°C to 150°C)	
<b>Minimum Application Temperature</b>	50°F (10°C)	
<b>Storage Stability</b>	Two years stored at 70°F (21°C) and 50% relative humidity	

\*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.

#### Product Performance and Suitability

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