



## Adhesive Data Sheet

# EP-24 All-Temp Permanent

**General Description:** EP-24 All-Temp Permanent is a high tack, high clarity acrylic pressure sensitive adhesive engineered to provide excellent adhesion when applied to a wide variety of surfaces, including difficult substrates such as fiberboard and plastic drums with moderate texture. The design of the adhesive allows application temperatures as low as 0 degrees F. As an acrylic, it demonstrates excellent resistance to most oils and solvents, in addition to high humidity environments. It is suitable for use with low surface energy materials including HDPE and powder coated paints.

### Adhesion

Substrate	Loop Tack <sup>1</sup>	Shear <sup>2</sup>	Peel Adhesion <sup>3</sup>
Stainless Steel	4.5 lbs	4 hours	4.8 lbs
Stainless Steel, 20°F			5.0 lbs
HDPE	2.5 lbs	na	2.7 lbs

### Usage

<b>Application Temperature Minimum:</b>	+0° F (-18° C)
<b>Service Temperature:</b>	-40°F to +280°F (-40° C to +138° C) subject to face stock limitations
<b>FDA Compliance:</b>	Complies with the Code of Federal Regulations, Title 21, Section 175.105 <sup>4</sup>

### Environment

<b>Moisture &amp; Humidity Resistance:</b>	Excellent
<b>Sunlight &amp; Weather Resistance:</b>	Very Good
<b>Heat Resistance:</b>	Very Good
<b>Solution pH:</b>	Neutral
<b>Chemical Resistance:</b>	Acids: Excellent Alkalis: Excellent Oils: Excellent

Notes:

1. TLMI-LIB 1, 1 mil polyester face stock, 1 mil of adhesive
2. ASTM-D-3654, PSTC-7, 1 mil polyester face stock, 1 mil of adhesive, ½" x ½" with 500 gm static load
3. ASTM D-3330, PSTC-1, 1 mil polyester face stock, 1.2 mils of adhesive
4. Compliance with 21 CFR 175.105 permits the use of this adhesive in applications for which the adhesive either (a) is separated from the food by a functional barrier, which will prevent the migration of any of the adhesive components to the food, or (b) has incidental contact with food limited to the trace amount at the seams or the edges of the label.

The information contained herein is derived from data we believe to be reliable and is presented to assist our customers in determining whether our products are suitable for use in their application. We request that our customers test our products before use to satisfy themselves as to suitability for use. No warranty or guarantee is expressed or implied. Protection from any law or patents is not inferred. All patent rights are reserved. The exclusive remedy for all proven claims is limited to replacement of our materials and in no event shall we be liable for special, incidental, or consequential damages. Customers desiring assistance with specification development or performance criteria for specific product applications should contact us for further information.

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