



## TECHNICAL DATA

### AL5 ECPSA Foil Tape 5 MIL CONDUCTIVE ALUMINUM TAPE

**US Foils, Inc. AL5 ECPSA Tape** is a .005" aluminum foil backed by a 2 mil electrically conductive acrylic transfer adhesive and moisture resistant polycoated liner. The adhesive is designed for laminating to a variety of surfaces including painted surfaces, metals, and various plastic films. Features include good chemical resistance, moderate tack, high shear strength, and excellent Z direction conductivity.

#### **Typical Adhesive Performance Data:**

<b>Adhesive Thickness</b>	2 Mils	
<b>Liner Type</b>	76# Polycoated	
<b>Peel Adhesion (PSTC - 101/180°)</b>	<u>Oz./Inch</u>	<u>N/25mm</u>
Initial to SS (20 min @ RT)	47	13.2
<b>Holding Power (PSTC 107 Mod./178°)</b>	≥600 min.	
2.2 psi (1"x1"x1000g) @ RT		
<b>Volume Resistivity (ASTM D2739-97 Modified)</b>	0.06 $\Omega \cdot m$	
<b>Observed Resistance (ASTM D2739-97 Modified)</b>	5m $\Omega$	
<b>Contact Resistance (Aluminum to Aluminum)</b>	<0.02 $\Omega/in^2$	
<b>Minimum Application Temperature</b>	50 Degrees F	
<b>No Load Applied, Service Temperature Range</b>	-40 to 250 Degrees F	
<b>Dry Time (Adhesive Strength)</b>	24 Hours (85%) 48 Hours (100%)	

**Note:** All information, recommendations, and suggestions contained herein shall only be used as a guide by the Purchaser and not for specification or any other purposes. This information also does not constitute a warranty nor guaranty of any type whatsoever. Purchaser should independently determine suitability of all material purchased and must confirm adaptability and other characteristics by conducting their own tests. US Foils, Inc. shall have no liability as a result of any loss, expense, damage, cost or other injury which results from Purchaser's reliance on the information.