



## TECHNICAL DATA

### **XFT14 Electrically Conductive Copper Tape**

**Xalon XFT14** Electrically Conductive Copper Tape consists of a 1 ounce, .0014" (1.4 mil) thick 110 annealed electrolytic tough pitch copper that is highly conductive backed by a 2 mil proprietary electrically conductive acrylic transfer adhesive. The adhesive is designed for laminating to a variety of surfaces including painted surfaces, metals, and various plastic films. It features good chemical resistance and has moderate tack and high shear strength.

#### **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>		
2.2 psi (1"x1"x1000g) @ RT	≥600 min.	
<b>Volume Resistivity (ASTM D2739-97 Modified)</b>	0.06Ω•m	
<b>Observed Resistance (ASTM D2739-97 Modified)</b>	5m Ω	
<b>Minimum Application Temperature</b>	50 Degrees F	
<b>No Load Applied, Service Temperature Range</b>	-40 to 250 Degrees F	



### **XFT14 TAPE SHIELDING EFFECTIVENESS**

As Installed Butt Joint & 4" EC Seam Taped

(Insertion Loss per MIL STD 285)

Frequency	Attenuation (dB)
200 KHz, Magnetic Field	40
200 KHz, Electrical Field	80
1 MHz, Electrical Field	80
10 MHz, Electrical Field	80
400 MHz, Plane Wave	80
10 GHz Plane Wave	60

\*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.

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