



**Description:** POLYONICS XL-1502 is a 2 mil polyimide film with a 2 mil permanent pressure sensitive acrylic adhesive. XL-1502 is clear amber in color. Supplied on 50# SCK liner this material is not self-wound.

**Properties:** POLYONICS XL-1502 is designed to be used as an over-laminate or masking film. It is an ideal laminate to protect existing labels or components being exposed to extremely high temperatures.

**Applications:**

- XL-1502 protects valuable information on ID and Tracking labels, Caution, Warning, Instructional, Logo/OEM Branding labels and signs.
- XL-1502 is recommended for use in Automotive, Aerospace, and Electronic where dimensional stability in a label is required. Especially if long term heat exposure is expected.
- XL-1502 is particularly useful as protection for labels used on heavy equipment, drying and curing ovens, or equipment being used in food processing and metal processing plants.

**Special Considerations:**

- The surface that you want to label should be clean, dry and free of any surface contamination.
- When you apply the label, you must use firm pressure to increase the physical contact of the adhesive with the surface of the product.
- Pressure sensitive adhesives will provide stronger bonds to a warm surface, as compared to a colder one. The adhesive will 'flow' more readily, increasing the surface area and increasing the adhesion peel strength.
- All values shown are averages and should not be used for specification purposes. Adhesion and tack values have a 15% tolerance allotted to the values stated.
- Test data and test results contained in this document are for general information only and shall not be relied upon by POLYONICS customers for designs and specifications, or be relied on as meeting specified performance criteria.
- Customers desiring to develop specifications or performance criteria for specific product applications should contact Polyonics for further information

**Technical Data**

Properties	Test Method	Average Results	
		USA Units	SI Units
<b>Thickness</b>	<b>ASTM D1000</b>		
-Substrate		0.0020 inch	0.050 mm
-Adhesive		0.0020 inch	0.050 mm
-Total		0.0040inch	0.100 mm
<b>Adhesion</b>	<b>Polyonics 80313</b>		
-Stainless Steel	<b>20 minute dwell</b>	≥ 35 oz/in	38N/100 mm
	<b>24 hour dwell</b>	≥ 40 oz/in	44N/100 mm
<b>Temperature Rating:</b>	-40 to 932°F (-40 to 500°C)		
<b>Shelf Life</b>	<b>1 year below 80°F (27°C and 60% R.H.</b>		

**References:** ASTM: American Society for Testing and Materials (U.S.A.), SI: International Systems of Units

**Polyonics Material Compliance**


<b>RoHS- Restriction of Hazardous Substances (EU Directive 2002/95/EC)</b>	Limits set forth in Directive 2005/618/EC amending Directive 2002/95/EC
<b>REACH- Registration Evaluation and Authorization of Chemicals (EU Directive 1907/2006/EC)</b>	Limits set forth in Directive 1907/2006/EC Article 7 (2)
<b>Halogens- Restriction use of Halogen (IEC 61249-2-21)</b>	Limits set forth in International Electrochemical Commission

**WARRANTY-LIMITATION**

Polyonics' products are sold with the understanding that the buyer will test them in actual use and determine for him/herself their adaptability to his/her intended uses. Polyonics warrants to the buyer that its products are free from defects in material and workmanship, but limits its obligation under this warranty to replacement of the products shown to Polyonics' satisfaction to have been defective, provided that the Buyer has complied with the handling, storage and shelf life requirements as specified by Polyonics in applicable materials specifications.

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