

Description: POLYONICS XL-1561 is a 1 mil polyimide film with a 1 mil permanent pressure sensitive acrylic adhesive. XL-1561 is a low profile laminate that is clear amber in color. Supplied on 55# glassine liner this material is not self-wound.

Properties: POLYONICS XL-1561 is designed to be used as an over-laminate or masking film. It is an ideal laminate to protect existing labels or components. Acrylic psa is ideal for use in application where prolonged chemical exposure is expected.

Applications:

- XL-1561 protects valuable information on ID and tracking labels, Caution, Warning, Instructional, Logo/OEM Branding labels and signs
- XL-1561 is recommended for use in Automotive, Aerospace, and Electronic where dimensional stability in a label is required. Especially if chemical exposure is expected.
- XL-1561 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
Thickness	ASTM D1000		
-Substrate		0.0010 inch	0.025 mm
-Adhesive		0.0011 inch	0.030 mm
-Total		0.0021 inch	0.055 mm
Adhesion	Polyonics 80313		
Stainless Steel	20 minute dwell	≥ 30 oz/in	33N/100 mm
	24 hour dwell	≥ 35oz/in	38N/100 mm
Tack	Polyonics 80155		
		> 1000g	
Temperature Rating	-40 to 800°F (-40 to 427°C)		
Heat Resistance*	Short term: minutes/hours 450°F (232°C) Long term: days/weeks 300°F (150°C)		

The ability of this product to survive is dependent on actual production temperature and time exposure.



POLYONICS

POLYONICS IMAGEGARD

XL-1561

High Temperature Overlaminates

Amber

Shelf Life	1 year below 80°F (27°C) and 60% R.H.
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References: ASTM: American Society for Testing and Materials (U.S.A.), SI: International Systems of Units



Polyonics Material Compliance

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

The above warranties extend solely to Buyer and all warranty claims must be made by Buyer. Rework or Replacement shall neither extend nor decrease the original warranty period. The term of all warranty periods shall not exceed thirty (30) days from the date of the original shipment.

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