



Description: POLYONICS XF-2003 is a 1 mil polyimide film with a 1 mil permanent pressure sensitive acrylic adhesive. XF-2003 is clear amber in color.

USE: POLYONICS XF-2003 is designed to be used as an over-laminate or masking film. It is an ideal tape to protect electronic components in harsh environments.

Properties	Test Method	Average Results	
		USA Units	SI Units
Thickness	ASTM D1000		
-Substrate		0.0018 inch	0.046 mm
-Adhesive		0.0011 inch	0.030 mm
-Total		0.0029 inch	0.076 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)		
Shelf Life	1 year below 80°F (27°C) and 60% R.H.		
Heat Resistance	Short term: minutes/hours 450°F (232°C) Long term: days/weeks 300°F (149°C) *The ability of this product to survive is dependent on actual production temperature and time exposure.*		

All SI units are mathematically derived from U.S. conventional units.

NOTE: All values shown are averages and should not be used for specification purposes. Adhesive and tack values have a 10% tolerance allotted to the above stated values. 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.

References:

ASTM: American Society for Testing and Materials (U.S.A.)

PSTC: Pressure Sensitive Tape Council (U.S.A.)SI: International Systems of Units.



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 obligations under this warranty to replacement of the products shown to Polyonics' satisfaction to have been defective, provided that the Purchaser has complied with the handling, storage and shelf life requirements as specified by Polyonics in applicable materials specifications.

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