



POLYONICS

PolyFLEX Substrates

XF-124

2 mil White Polyester ESD-Safe™ Film

Description:

POLYONICS PolyFLEX™ XF-124 is a 2 mil (50 µm) white polyester film with durable HardCoat™ ESD-Safe non-metallic static dissipative coatings.

XF-124



Features:

- Static Dissipative
- Low charging
- REACH and RoHS compliant
- Chemically resistant
- High opacity

Applications:

- Static dissipative packaging, wraps, protective layers, barriers, printed electronics.

Technical Data

PROPERTIES	TEST METHODS	AVERAGE RESULTS	
		Value	Units
<b>Thickness</b>	ASTM D1000		
	2 mil Polyester	0.002 (50.8)	Inch (µm)
	ESD topcoat	0.0003 (7.6)	
	ESD back coat	0.0003 (7.6)	
	Total	0.0036 (66.0)	
<b>Surface Resistance</b>	EOS/ESD STM11.11	>10 <sup>4</sup> and < 10 <sup>9</sup> Ohms	
<b>ESD Surface Durability</b>	ASTM D4752-10	>500 Double IPA Rubs	
<b>Thermal Shrinkage</b> 2 mil Polyester	ASTM D696	2.8	% 190°C 5 min
<b>Tensile Strength (MD)</b> 2 mil Polyester	ASTM D882A	22,000	psi
<b>Yield Strength</b>	ASTM D882A	12,000	psi
<b>Elongation</b> 2 mil Polyester	ASTM D882A	90	%
<b>Light Transmission</b> 2 mil Polyester	ASTM D1003	12	%
<b>Whiteness</b> 2 mil Polyester	ASTM E313-79	100	%

MD-machine direction



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Durability Testing

Table with 4 columns: Properties, Test, Test Fluid, Results. Rows include Chemical Resistance, Weathering Test, Temperature Rating, and Shelf Life.

Polyonics Material Compliance

Table with 2 columns: Compliance Standard (RoHS, REACH, Halogens) and Limits/Details.

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. Test data and test results contained in this document are for general information only...

References:

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

Trademarks:

XJN+ & Aquanox SSA-TM is a trademark of Kyzen Corporation RE-ENTRYTM is a registered trademark of Environsolv Inc.



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.

The above warranties extend solely to Buyer and all warranty claims must be made by the Buyer. Rework or Replacement shall neither exceed nor decrease the original warranty period.

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Polyonics World Headquarters

28 Industrial Park Drive Westmoreland, NH 03467 Ph: 603.352.1415 Fax: 603.352.1936 Email: info@polyonics.com

Polyonics Asia

Rm.1804 Gaosheng Commercial Mansion HongTu Rd. Nancheng Dongguan, Guangdong, China 523082 Ph: 86.755.8825.0441 Fax: 86.755.8825.2429 Email: infoasia@polyonics.com