Electronic Imaging Materials, Inc.

Labels that Last

636 2 mil White Gloss Lead-Free Polyimide

Description: This new, competitively priced polyimide has a highly opaque finish designed for high resolution thermal transfer printing - such as for 2D barcodes. It was engineered to handle surface mount applications on both the top and bottom of boards and meets the "lead free" initiative where higher temperatures are required when using lead free solders. It is resistant to edge lift, browning, solder flux and cleaning solvents and is especially good in processes where dimensional stability is important. This product is ideal for work in progress, permanent ID and warranty labeling.

Compliance:

RoHS - EU Directive 2002/95/EC
REACH SVHC - EU Directive 1907/2006/EC
Halogens / Restriction Use of Halogen - EU IEC 61249-2-21
SGS Approved

Recommended Printing Ribbons: T84, R94. When printed with T188, T182 or T80, this material meets Mil-Std-202G, Notice 12, Method 215K. Preheating the label can enhance the print durability for chemical and solvent exposure. To avoid smearing, do not touch the print while label is hot.

	Face Stock	Adhesive	Liner
Type	Polyimide	Permanent Acrylic	Glassine
Color	White	Clear	White
Caliper	2.0 mil	1.5 mil	3.2 mil
Topcoat	0.4 mil High Gloss	-	-
Total Construction	7.1 mil		

	Short Term	Operating	Long Term
Service Temp Range	572°F (300°C) for 90 seconds	500°F (260°C) for 5 minutes	302°F (150°C) for 100 hours

(continued)

NOTE: Due to the variety of application conditions, Electronic Imaging Materials strongly encourages the end-user to do thorough testing of all label products under consideration to make sure they will meet the application requirements.

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Durability (Heat & Chemical)	PCS1	Read Rate2
Alpha Metals Inc 2110 Saponifier 10% aqueous, 70°C, 5 min.	97%	100%
Isopropanol 99%, 70°C, 5 min.	99%	100%
Kyzen XJN 30%, 70°C, 5 min.	99%	100%
PCS [1] - Print Contrast Signal found with Quick Check 650, 0.0005" aperture, 660 nm wavelength		

Chemical Resistance	Test Fluid	Results
Per Mil-Std-202G, Notice 12, Method 215K:	1 part IPA, 3 parts Mineral Spirits	No visible effect
	1,1,1 Tichloroethane	Solvent deleted per Notice 12
	Terpene Defluxer	No visible effect
	D-Saponifier	No visible effect

	Temperature	Humidity	Shelf Life
Recommended Storage Conditions	80°F (27°C)	60% R.H.	One Year

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