



Technical data sheet

TDS Number : B835M

Marketing effective date : 2012-12-18

B835M MATTE WHITE THERMAL TRANSFER PRINTABLE POLYIMIDE LABEL STOCK

B835M is a polyimide film with a acrylic adhesive and a high opacity, matte white topcoat specifically designed for thermal transfer printing. B835M is designed for barcode or alphanumeric identification of printed circuit boards, or related electronic components. It is the ideal label to withstand mixed board processes, on either the top or bottom side of the board. It has excellent resistance to harsh fluxing and wave solder environments, and resists all commonly employed methods of cleaning.

General information :

Material Structure		
Item	Descriptions	Remark
Top coating	Matte white topcoat	
Base film	Polyimide film	
Adhesive	Acrylic	
interliner	90/120g glassine liner	

Material Thickness		
Item	Value	Color
Base film+topcoat	0.0018in.	orange
Adhesive	0.0010in.	transparent
interliner	0.0031in.	white
Total	0.0059in.	N/A

Physical and chemical performance :

Adhesive strength		
Affixed to :	Test result	Remark
Stainless steel	45 N / 100 mm	
Galvanized steel	50 N / 100mm	
Epoxy ABS	38 N / 100 mm	
* Test methods : 24°C , 180° peel , 1 hour dwell		

ServiceTemperature (-70°C---270°C)		
Affixed to :	Heat Resistance	Test result
Stainless steel	-40°C---175°C	No visible effect
Stainless steel	270°C (8 minutes)	No visible effect
Galvanized steel	-40°C---175°C	No visible effect
Epoxy PCB	-40°C---150°C	No visible effect
* Test methods : 24 hour dwell ,		



Resistance against chemicals and solvents :

Samples were laminated to aluminum panels and allowed to dwell 24 hours prior to testing.

Test Properties	Test Duration Time	Result	Remark
Acetone	10 minutes	Slight adhesive ooze	24°C
Toluene	10 minutes	Slight adhesive ooze	24°C
Isopropyl Alcohol	10 minutes	No visible effect	24°C
Gasoline	10 minutes	Slight adhesive ooze	24°C
Saponifier	10 minutes	No visible effect	50°C
Deionized Water	10 minutes	No visible effect	100°C

Recommended printing method , die-cutting method , inks , ribbons , printers

Printing method	Printer	Ribbons	Inks	Die-cutting
Thermal transfer printing	Zebra 110XiIIIPlus	B110CR	N/A	Flat cutter , rotary cutter
Letterpress	Labelman 270	N/A	Toka UV 161	Flat cutter , rotary cutter
Letterpress	Lintec MP-300	N/A	Toka UV 161	Flat cutter , rotary cutter
Screen printing	SDL 4050sp	N/A	Sericol uviprint	Flat cutter , rotary cutter
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Additional information :

Applications : We encourage customers to develop functional testing protocols that will qualify a product's fitness for use, in their actual applications .

Temperature: room temperature : 18°C---24°C

Packaging : store roll label stock and finished labels in plastic bags .

Handling : Avoid contact with label surface .Processing environment should be kept clean and free from dust and dirt .

Storage conditions : Recommended storage conditions are 20°C and 50% RH . customer performance expectation of at least *two years from the date of receipt* for this product as long as this product is stored in its original packaging in an environment *below 20°C and 50% RH* . We are confident that our product will perform well beyond this time frame. However, it remains the responsibility of the user to assess the risk of using such product.



All statements , technical data and recommendations contained herein are based on tests we believe to be reliable , but the accuracy or completeness thereof is not guaranteed , and the following is made in lieu of all warranties , express or implied :

Seller's and manufacturer's only obligation shall be to replace such quantity of the product is provide to be defective . Neither seller nor manufacturer shall be liable for any injury , loss or damage, direct or consequential , arising out of the use of the inability to use the product . Before using , user shall determine the suitability of the product for their initial use , and user assume all risk and liability whatsoever in connection with them .

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