LGInternational
Advancing the technology of labels

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LG-1259

General Description: A 2.0 mil matte tan polyimide film designed with a high temperature permanent acrylic adhesive. It is recommended for thermal transfer printed or dot matrix barcodes, or alphanumeric identification of printed circuit boards and related electronic components. With the appropriate ribbon, the material is resistant to a wide range of ether-polyol solvents. It is designed to withstand surface mounted processes on the top or bottom sides of the board.

PRODUCT DATA

Property	Test Method	Average Results
Thickness	ASTM D1000	
Substrate / Adhesive		0.0027 in / 0.0020 in
Total		0.0047 in
Adhesion to Stainless Steel	ASTM D-3330	
20 minute dwell / 72 hour dwell		44 oz/in / 82 oz/in
Tack	ASTM D2979	
Polyken™ Probe, 1 second dwell		25 oz
Drop Shear	PSTC	>100 hrs
Shelf Life: 1 year below 80°F (27°C) and 60% R.H.		

Samples printed with a recommended thermal transfer ribbon using a Zebra 90Xi printer. Labels printed with 3:1 ratio barcodes with 6 mil X dimension bars. Samples exposed to indicated environments. Abrasion Performance tested with 100 strokes of stainless steel ball (AISI 302, 0.3125" diameter) with 300 gram load.

Test Environment	PCS[1]	Read Rate[2]
Control	99%	100%
230°C heat, 5 min	99%	100%
Zestron, 5 min., 25°C	100%	99%

[1] PCS – Print Contrast Signal. PCS determined with Quick Check 650, 0.005" aperture, 660 nm wavelength. Quick Check 650 manufactured by Photographic Sciences Corp.

[2] Read rate determined by using PSC 850 laser scanner.

References: AISI: American Iron and Steel Institute (U.S.A.) ASTM: American Society for Testing and Materials (U.S.A.) PSTC: Pressure Sensitive Tape Council (U.S.A.) SI: International Systems of Units.