

LG-1216

General Description: A 2.7 mil polyimide film designed with a high temperature acrylic adhesive (removable) that leaves no residue after processing through a solder bath. It is recommended for thermal transfer printed barcodes or alphanumeric identification of printed circuit boards and related electronic components. 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 / 0.0018 in	
Total			0.0045 in	
Adhesion to Stainless Steel	ASTM D-3330			
20 minute dwell / 24 hour dwell			19 oz/in / 27 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	PCS After Abrasion	Read Rate After Abrasion
Control	99%	100%	99%	100%
230°C heat, 5 min	99%	100%	99%	100%
Kyzen Corp. Aquanox SSA				
30% aqueous, 40-45°C, 10 min ³	100%	99%	100%	100%
RE-ENTRY, KNI 200 Terpene, 40-45°C, 10 min ³	98%	100%	98%	100%
Alpha Metals Inc. EC-7R Terpene, 40-45°C, 10 min ³	98%	100%	98%	100%
Alpha Metals Inc. 2110 Saponifier				
6% aqueous, 65-70°C 10 min	97%	100%	97%	100%
Isopropanol 99%, 82°C, 10 min	99%	100%	99%	100%
Deionized Water, 100°C, 10 min	99%	100%	99%	100%

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.
³ Followed by 2 minute immersion in deionized water at 100°C.

Aqua ox SSA-™ is a trademark of Kyzen Corporation. Zebra© printed is a trademark of Zebra Technologies, Inc. EC-7R™ is a trademark of Petroferm Inc. Polyken™ is a trademark of the Kendell Corporation. RE-ENTRY™ is a registered trademark of Environsolv Inc.

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.

The above data represent product averages, allowing for industry accepted variances. This construction should be tested in the end-use conditions to insure that it meets the requirements of the specific application. **Suitability for any given application is the responsibility of the user.**

