

# LG-1217

General Description: A white polyimide 2.0 mil film with a medium gloss designed for thermal transfer printing. It is recommended where high durability and superb resistance against the highest application temperature is required; it is also lead free.

## PRODUCT DATA

Face stock: 2.0 mil white gloss polyimide film  
Adhesive thickness: 1.8-2.0 mil acrylic  
Liner: 50# SCK liner

### Adhesive (test method ASTM D 1000)

180° peel adhesion: 24 hr dwell 35 oz/in (39 N/100 mm); 72 hr dwell 50 oz/in (55 N/100 mm)  
Coated film thickness: 0.00240 - 0.0027 in. (0.0610 - 00.069 mm)  
Flammability: average burn time < 2 seconds  
Dielectric Strength: > 8 kv

### Chemical Resistance (measured by PCS [Print Contrast Signal])

<u>Chemical</u>	<u>Test Condition</u>	<u>PCS</u>
Control	260°C heat, 5 min.	99%
Trichloroethane	74°C, 10 min.	98%
Aquanox SSA 30% aqueous	40-50°C, 10 min.	98%
RE-ENTRY® KNI 2000 Terpene	10-50°C, 10 min.	98%
BIOACT® EC-7R Terpene	40-45°C, 10 min.	98%
Alpha Metals Inc. 2110 Saponifier 6% aqueous	65-70°C, 10 min.	98%
Isopropanol 99%	82°C, 10 min.	99%
Deionized Water	100°C, 10 min.	99%

### Adhesive Properties

<u>Performance Properties</u>	<u>Typical Results</u>
Short term high service temperature	50 min at 600°F (315°C) - no visible effect - label remains functional
2 hours at 338°F (170°C)	No visible effect at 170°C, 190°C, or 220°C - remains functional
Long term high service temperature	1000 hrs at 212°F (100°C) - no visible effect to label at 120°C; label discolors slightly at 145°C - label remains functional

**Storage:** label material can be stored for at least one year in an environment below 80°F (27°C) and 60% RH

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.**