



## LG-1200

General Description: A white cast acrylic 2.0 mil film with a slightly matte surface designed for thermal transfer printing. It is recommended where high durability and superb resistance against the highest application temperature is required.

### PRODUCT DATA

Face stock: 2.0 mil white matte cast acrylic film

Adhesive thickness: 0.8 mil crosslinked acrylic

Liner: 2.3 mil double sided silconized, white glassine

Adhesive Properties\*:

PCB solder mask	2.5 N/10mm	PP	3.0 N/10mm
Afera Steel	5.4 N/10mm	PVC	4.0 N/10mm
Aluminum	6.7 N/10mm	PC	5.0 N/10mm
ABS	7.2 N/10mm		

\*The adhesion on Printed Circuit Boards is dependent on the lacquer system. (Test conditions in accordance with FINAT FTM 2, 72 hours dwell time, 300mm/min Pull Back, 90° angle.)

Chemical Resistance: No change when exposed to the following as tested –

Xylene	n-Heptane	Caustic Soda (10%)
Water	Ethanol	Trichloroethane 1,1,1
Isopropanol	Toluene (5 minutes)	Sulphuric acid (30%)

Film applied onto PCB panels 1 hour prior to immersion and evaluated directly after the test.

Duration of immersion is 10 minutes at room temperature.

The film is not resistant to harsh fluoride-chlorine.

Abrasion Resistance: Grinding wheel – CS 10 / Load – 250g / 100 Cycles – no surface damage

Minimum Application Temperature: over 10°C

Temperature Resistance:

High temperature resistance: 518°F (270°C) for 60 sec – no significant visual change

392°F (200°C) for 60 min – no significant visual change

176°F (80°C) for 14 days – no significant visual change

No change except a slight yellow tinge may occur. The temperatures have no impact on the form stability of the film.

Low temperature resistance: -40°C (7 days), no significant visual change

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.**

