

BACKUP

**We know
the drill.**



PolarBack™

HIGHER PRODUCTIVITY AT A COOL PRICE

Meet the newest PCB backup material from LCOA - PolarBack™

- An affordable high-quality alternative to techboard
- Bearing up under the heat of ever-smaller drill bits
- Cool performing to dissipate heat, reduce drill wear and breakage
- Super hard to minimize burrs
- Ultra-strict thickness control
- Contrasty white surface for hole visibility



L.C.O.A.®
LAMINATING COMPANY OF AMERICA

20322 WINDROW DRIVE • LAKE FOREST CA 92630 • LCOA.COM • 949.587.3200

PolarBack™

A Hard Melamine Backup Material

LCOA has developed a melamine backup product that responds to the high demand of today's strict drill room needs that require a robust drill backup material. PolarBack™ has been created specifically for the Printed Circuit Board industry and is engineered to perform on all drilling applications. PolarBack™ uses the highest quality raw materials to ensure performance and consistency.

SPECIAL FEATURES

HOLE QUALITY: Finely processed timber create a high-density fiber core (HDF) with a low natural resin level that does not contaminate the hole.

DRILL WEAR: The Melamine surface layers have undergone modifications to extract the abrasive elements found in most other melamine products. The low-resin level of the core also adds to drill wear reduction created by the modified surface layer.

BURR PREVENTION: A hard, smooth surface with an acceptable thickness tolerance is a perfect exit platform for most drill applications.

HOLE VERIFICATION: A clean, white surface helps distinguish holes drilled all the way through the PCB.

TECHNICAL DATA

THICKNESS:	0.105" ±0.006"	(2.67mm ±0.15mm)
CUT TOLERANCE	±0.0625"	(±1.6mm)
HARDNESS	> 80 SHORE "D"	
SIZES	Most panel and sheet sizes available. Consult your local distributor of contact LCOA for additional information.	

QUALITY CONTROL

The consistently high-quality of LCOA PolarBack™ is guaranteed by the tightest production tolerances in conjunction with permanent product controls corresponding to ISO 9001.

STORAGE

LCOA PolarBack should remain sealed in its original packing until use. It should be stored under the same temperature and humidity conditions that surround the working area. Rapid change of these conditions will cause moisture fall out resulting in subsequent warp.

Best storage at:	65° - 75°F	(18° - 24°C)
	<55% rH	