

RO3730™ Antenna Grade Laminate Quick Processing Guidelines

Material Description	Copper-clad filled PTFE composite
Storage:	Ambient
LAYER PREPARATION	
Tooling:	Compatible with most round and slotted hole systems.
Surface Preparation for Photoresist Applications:	Chemical preparation.
Photoresist Applications:	Standard film and liquid resists and procedures.
DES Processing:	Standard processing. Thin cores may require leaders.
PTH AND OUTER LAYER/DOUBLE SIDED CIRCUIT PROCESSING	
Drilling:	Rigid and supportive entry/exit materials such as pressed phenolic. Use new drills. Controlled infeeds, speeds, and retract rates. 12" rule for hole count.
Deburring:	Mechanical debur/scrub not recommended. Very light applied pressure if debur is required.
Hole Preparation:	Pressurized water or air purge of holes is okay. Sodium or plasma treatments required prior to metal deposition. Bake required after sodium treatment.
Metallization:	Electroless copper (low or regular dep rates preferred over heavy dep processes) or direct deposit processes. Flash plate recommended prior to outer-layer imaging.
PTH PLATING AND OUTER LAYER IMAGING	
Final Surfaces:	Compatible with most final metals surfaces and OSP's. Preserve post-etch surface and bake cores prior to application of LPI.
Final Circuitization:	Rout and punch as required. Material support and sharp edges on cutting tools required through mechanical processes.

The information in this processing guideline is intended to assist you in designing with Rogers' circuit material laminates. It is not intended to and does not create any warranties express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown on this processing guideline will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers' circuit material laminates for each application.

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