

Ultracor Incorporated

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DATE: September 5, 2003

ATTN: Eric Anderssen

By email: pdf.
ecanderssen@lbl.gov

COMPANY: Lawrence Berkeley National Lab

FROM: Wally Hansen

RE: Ultracor[®] Proposal Q-31701 – Special Graphite Honeycomb

Ultracor Inc. is pleased to respond to your request for a special graphite honeycomb core material.

The proposed honeycomb, UCF-102-3/8-3.0, is a 3/8" cell material with a density of 2.65 pcf. The honeycomb is constructed from XN-50 graphite fiber and RS-3 cyanate ester resin. The material system is the same as our UCF-51-3/8-2.0 and UCF-83-1/4-3.0 that has been evaluated for this program in the past. UCF-102-3/8-3.0 is identical to UCF-51 with the addition of an XN-50 unitape layer in the 0³ (through thickness direction.) It is expected that this core material would have outstanding thermal stability.

This material is in our inventory in a raw block form and can be delivered in approximately 2 weeks after receipt of order. A total of 6.5" of thickness is available.

Description	Price (Lot)
1 slice of UCF-102-3/8-3.0 Dimensions: 36" L x 24" W x ~ 23mm" T	\$4,590
Additional slices if ordered at the same time	\$3,560

Commercial Terms

Delivery: 2 weeks ARO.

FOB: Livermore, CA. Shipping not included

Payments: Net 30

Ultracor Inc is pleased to be of continued service to Lawrence Berkeley Labs . Please call at 925-454-3010 or email whansen@ultracorinc.com if you have any questions or need additional information.

Sincerely,

Wally Hansen
Sales Manager