



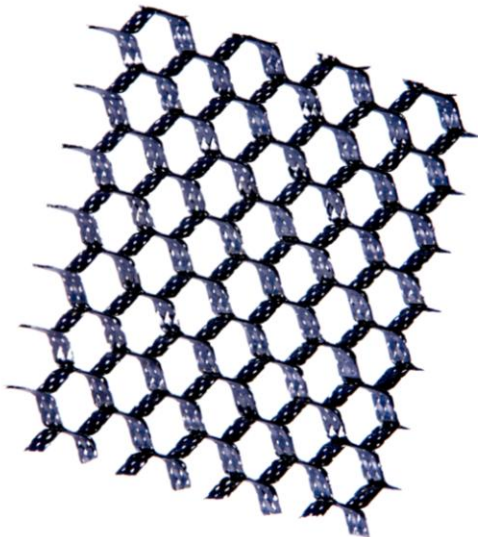
**CARBON FIBER HONEYCOMB CORE
UCF-304-3/8-2.0**

Ultracor UCF-304-3/8-2.0 is the premiere core material for structures where thermal stability is an absolute requirement. This material has a zero coefficient of thermal expansion (CTE). It is appropriate for lightly loaded structures where low weight and high performance are concerns.

The standard sheet size for Ultracor is approximately 36" L (ribbon) x 24" W by specified T. Thickness tolerance is maintained at ± 0.006". Tighter thickness tolerances are available per customer's request.

Custom sheet sizes are available. Ultracor can splice material into virtually any dimension. We can provide core sheets curved into various radii.

ULTRACOR PRODUCT DESIGNATIONS



Ultracor products are designated by use of a series of letters and numbers, as follows:

UCF-304-3/8-2.0, in which:

“**U**” represents Ultracor honeycomb core

“**CF**” indicates the material used is Carbon Fiber

“**304**” determines the product code number under which the details of construction are documented

“**3/8**” indicates a 3/8” cell size

“**2.0**” indicates a nominal density in pounds per cubic foot (lbs/ft³)

ULTRACOR MECHANICAL PROPERTIES

Ultracor Product Code	Construction Materials	Compressive ASTM C365		Shear ASTM C273			
		Stabilized		L Direction		W Direction	
		Strength (psi)	Modulus (ksi)	Strength (psi)	Modulus (ksi)	Strength (psi)	Modulus (ksi)
UCF-304-3/8-2.0	Pitch Fabric/ Cyanate Ester	195	19.5	153	33.0	81	17.2