



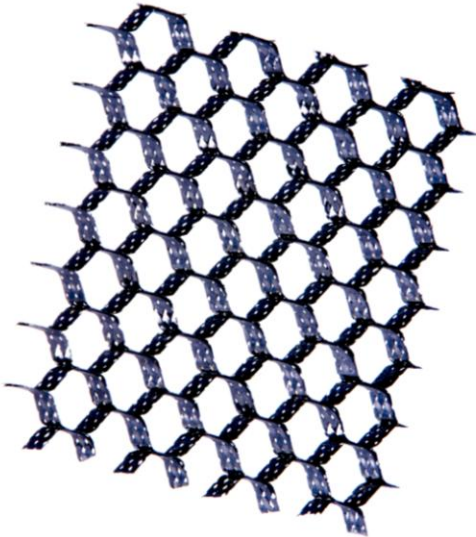
CARBON FIBER HONEYCOMB CORE
UCF-281-3/16-15.0

Ultracor UCF-281-3/16-15.0 is used in structural applications where high mechanical performance is paramount and low density remains a primary concern.

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-281-3/16-15.0, in which:

“**U**” represents Ultracor honeycomb core

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

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

“**3/16**” indicates a 3/16” cell size

“**15.0**” 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-281-3/16-15.0	High Modulus PAN/Cyanate Ester	2413	130	937	246	753	110

results are typical