



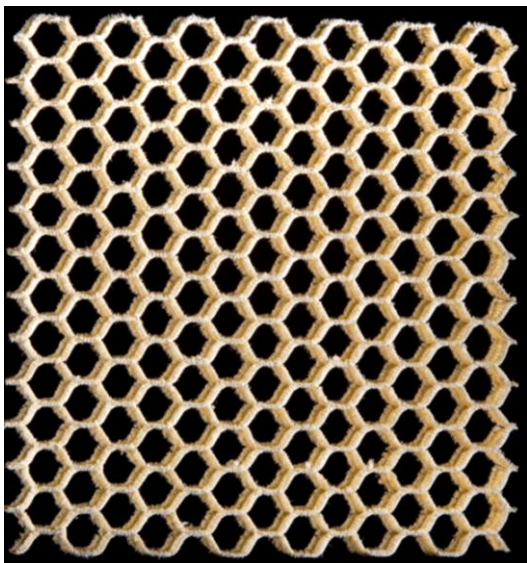
**KEVLAR FIBER HONEYCOMB CORE  
UKF-171-1/4-2.3**

Ultracor UKF-171-1/4-2.3 is used in Double Shell Reflectors and other lightly loaded structures requiring Kevlar’s dielectric properties. UKF-171-1/4-2.3 is space qualified material.

The standard sheet size for Ultracor is approximately 36” L (ribbon) x 24” W by specified T. Thickness tolerance is maintained at ± 0.006”.

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:

**UKF-171-1/4-2.3**, in which:

“**U**” represents Ultracor honeycomb core

“**KF**” indicates the material used is Kevlar Fiber

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

“**1/4**” indicates a 1/4” cell size

“**2.3**” indicates a nominal density in pounds per cubic foot (lbs/ft<sup>3</sup>)

**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)
UKF-171-1/4-2.3	Kevlar Fabric/ Cyanate Ester	155	13.6	130	18.0	69	9.3