



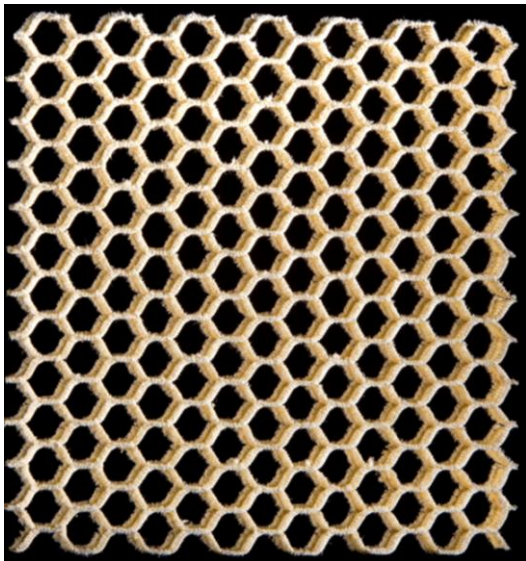
**KEVLAR FIBER HONEYCOMB CORE  
UKF-292-1/2-1.0**

Ultracor UKF-292-1/2-1.0 is used in Double Shell Reflectors and other lightly loaded structures requiring Kevlar’s dielectric properties. UKF-292-1/2-1.0 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-292-1/2-1.0**, in which:

“**U**” represents Ultracor honeycomb core

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

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

“**1/2**” indicates a 1/2” cell size

“**1.0**” 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-292-1/2-1.0	Kevlar Fabric/ Cyanate Ester	54.2	4.8	44.7	9.1	23.8	4.4