



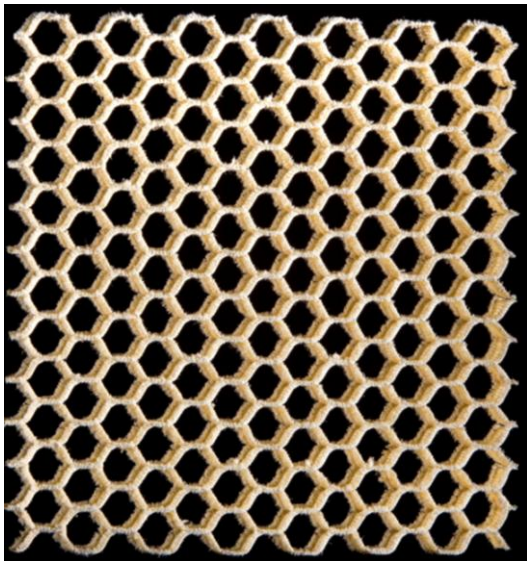
**KEVLAR FIBER HONEYCOMB CORE
UKF-319-1/4-2.8**

Ultracor UKF-319-1/4-2.8 is used in Double Shell Reflectors and other lightly loaded structures requiring Kevlar’s dielectric properties. UKF-319-1/4-2.8 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-319-1/4-2.8, in which:

“**U**” represents Ultracor honeycomb core

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

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

“**1/4**” indicates a 1/4” cell size

“**2.8**” 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)
UKF-319-1/4-2.8	Kevlar Fabric/ Cyanate Ester	158	16.6	149	20.7	71	10.8