

Ultracor® UKF-85-1/4-1.5 Honeycomb Core Material

Category : Other Engineering Material , Composite Core Material

Material Notes:

Construction: $\pm 45^\circ$ K49 108. Fiber: Kevlar® K49. Ultracor® is a very low density honeycomb core material designed for use in highly weight-sensitive structures. It is expected that it will be used in spacecraft Antenna Reflectors, Optical Benches, Solar Arrays, and other lightly loaded structures which must be positioned with accuracy and stability in order to properly perform their intended purpose. It was developed using a space qualified, toughened, polycyanate matrix resin. General Ultracor® features include low density, design flexibility, low CTE, low CME, and high thermal conductivity. Data provided by Ultracor Inc., formerly YLA Cellular Products Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ultracor-UKF-85-14-15-Honeycomb-Core-Material.php

Physical Properties	Metric	English	Comments
Density	0.0190 g/cc	0.000686 lb/in ³	core density

Mechanical Properties	Metric	English	Comments
Compressive Yield Strength	0.210 MPa	30.5 psi	
Shear Modulus	0.0280 GPa	4.06 ksi	ribbon direction
Shear Strength	0.330 MPa	47.9 psi	ribbon direction

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