

## Ultracor® UKF-68-3/8-2.0 Honeycomb Core Material

Category : Other Engineering Material , Composite Core Material

### Material Notes:

Construction:  $\pm 45^\circ$  K49 120. 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-68-38-20-Honeycomb-Core-Material.php](http://www.lookpolymers.com/polymer_Ultracor-UKF-68-38-20-Honeycomb-Core-Material.php)

Physical Properties	Metric	English	Comments
Density	0.0290 g/cc	0.00105 lb/in <sup>3</sup>	core density

Mechanical Properties	Metric	English	Comments
Compressive Yield Strength	0.900 MPa	131 psi	
Shear Modulus	0.0190 GPa	2.76 ksi	ribbon direction
Shear Strength	0.480 MPa	69.6 psi	ribbon direction

## Contact Songhan Plastic Technology Co.,Ltd.

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