

## Ultracor® UCF-355-3/8-3.5 Honeycomb Core Material

Category : Other Engineering Material , Composite Core Material

### Material Notes:

Construction:  $\pm 45^\circ$  T300. Fiber: Carbon T300. 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-UCF-355-38-35-Honeycomb-Core-Material.php](http://www.lookpolymers.com/polymer_Ultracor-UCF-355-38-35-Honeycomb-Core-Material.php)

Physical Properties	Metric	English	Comments
Density	0.0560 g/cc	0.00202 lb/in <sup>3</sup>	core density

Mechanical Properties	Metric	English	Comments
Compressive Yield Strength	2.83 MPa	410 psi	
Compressive Modulus	0.0731 GPa	10.6 ksi	
Shear Modulus	0.161 GPa	23.4 ksi	transverse direction
	0.356 GPa	51.6 ksi	ribbon direction
Shear Strength	1.63 MPa	236 psi	transverse
	3.68 MPa	534 psi	ribbon direction

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China