

## Hexcel® HexWeb® HRH-36 - 1/8 - 2.5 Para-Aramid/Phenolic Core

Category : Other Engineering Material , Composite Core Material , Polymer , Thermoset , Aramid , Phenolic

### Material Notes:

**Designation:** Material-Cell Size (inches)-DensityHexWeb® HRH-36 is manufactured using KEVLAR® paper. The standard resin system is phenolic.**Features:** Mechanical properties equivalent to KOREX®; Low moisture pickup; Excellent thermal stability; Smooth cell wall finish.**Applications:** HexWeb® HRH-36 is a high performance non-metallic core, available in a wide range of densities, suitable for most composite sandwich applications. It can be readily heat formed to help produce complex components and offers similar mechanical properties to KOREX® core as well as comparable moisture pickup. In addition, HexWeb® HRH-36 offers a weight reduction over higher density NOMEX® honeycomb cores.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Hexcel-HexWeb-HRH-36-18-25-Para-AramidPhenolic-Core.php](http://www.lookpolymers.com/polymer_Hexcel-HexWeb-HRH-36-18-25-Para-AramidPhenolic-Core.php)

Physical Properties	Metric	English	Comments
Density	0.0400 g/cc	0.00145 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Compressive Yield Strength	1.55 MPa	225 psi	Bare
	1.69 MPa	245 psi	Stabilized
Shear Modulus	0.0414 GPa	6.00 ksi	Plate Shear, W Direction
	0.0876 GPa	12.7 ksi	Plate Shear, L Direction
Shear Strength	0.724 MPa	105 psi	Plate Shear, W Direction
	1.24 MPa	180 psi	Plate Shear, L Direction

## Contact Songhan Plastic Technology Co.,Ltd.

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