

## Hexcel® HexWeb® HRH-36 - 5/32 - 2.4 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-36-532-24-Para-AramidPhenolic-Core.php](http://www.lookpolymers.com/polymer_Hexcel-HexWeb-HRH-36-532-24-Para-AramidPhenolic-Core.php)

Physical Properties	Metric	English	Comments
Density	0.0384 g/cc	0.00139 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Compressive Yield Strength	1.52 MPa	220 psi	Bare
	1.72 MPa	250 psi	Stabilized
Shear Modulus	0.0483 GPa	7.00 ksi	Plate Shear, W Direction
	0.0827 GPa	12.0 ksi	Plate Shear, L Direction
Shear Strength	0.758 MPa	110 psi	Plate Shear, W Direction
	1.14 MPa	165 psi	Plate Shear, L Direction

## Contact Songhan Plastic Technology Co.,Ltd.

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