

## Hexcel® HexWeb® HRH-36 - 1/8 - 6.0 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-36-18-60-Para-AramidPhenolic-Core.php](http://www.lookpolymers.com/polymer_Hexcel-HexWeb-HRH-36-18-60-Para-AramidPhenolic-Core.php)

Physical Properties	Metric	English	Comments
Density	0.0961 g/cc	0.00347 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Compressive Yield Strength	6.76 MPa	980 psi	Bare
	6.89 MPa	1000 psi	Stabilized
Shear Modulus	0.0896 GPa	13.0 ksi	Plate Shear, W Direction
	0.186 GPa	27.0 ksi	Plate Shear, L Direction
Shear Strength	1.86 MPa	270 psi	Plate Shear, W Direction
	3.24 MPa	470 psi	Plate Shear, L Direction

## Contact Songhan Plastic Technology Co.,Ltd.

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