

Hexcel® HexWeb® HRH-36 - 3/16 - 2.0 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-36-316-20-Para-AramidPhenolic-Core.php

Physical Properties	Metric	English	Comments
Density	0.0320 g/cc	0.00116 lb/in ³	

Mechanical Properties	Metric	English	Comments
Compressive Yield Strength	0.965 MPa	140 psi	Bare
	1.10 MPa	160 psi	Stabilized
Shear Modulus	0.0338 GPa	4.90 ksi	Plate Shear, W Direction
	0.0689 GPa	10.0 ksi	Plate Shear, L Direction
Shear Strength	0.483 MPa	70.0 psi	Plate Shear, W Direction
	0.827 MPa	120 psi	Plate Shear, L Direction

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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