

Hexcel® HexWeb® HRH-10 - 1/4 - 1.5 Aramid Fiber/Phenolic Resin Honeycomb

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

Material Notes:

Designation: Material-Cell Size-Density.Hexweb® HRH-10 is manufactured from NOMEX® aramid fiber sheets. A thermosetting adhesive is used to bond these sheets at the nodes, and after expanding to the hexagonal or OX-Core® configuration, the block is dipped in phenolic resin. After curing the resin, slices are cut to the desired thickness. For special applications, such as air directionalizing, HexWeb® HRH-10 can be provided without the phenolic resin. Using this process, a wide range of cell sizes, paper thicknesses, and densities can be produced.Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexWeb-HRH-10-14-15-Aramid-FiberPhenolic-Resin-Honeycomb.php

| Physical Properties | Metric | English | Comments |
|---------------------|-------------|-----------------|----------|
| Density | 0.0240 g/cc | 0.000868 lb/in³ | |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|--------------|-------------|-------------------------------|
| Compressive Yield Strength | >= 0.448 MPa | >= 65.0 psi | Bare, min |
| | >= 0.517 MPa | >= 75.0 psi | Stabilized, min |
| | 0.552 MPa | 80.0 psi | Bare, typ |
| | 0.621 MPa | 90.0 psi | Stabilized, typ |
| Compressive Modulus | 0.0414 GPa | 6.00 ksi | Stabilized, typ |
| Shear Modulus | 0.00896 GPa | 1.30 ksi | Plate Shear, W Direction, typ |
| | 0.0207 GPa | 3.00 ksi | Plate Shear, L Direction, typ |
| Shear Strength | >= 0.172 MPa | >= 25.0 psi | Plate Shear, W Direction, min |
| | 0.241 MPa | 35.0 psi | Plate Shear, W Direction, typ |
| | >= 0.379 MPa | >= 55.0 psi | Plate Shear, L Direction, min |
| | 0.483 MPa | 70.0 psi | Plate Shear, L Direction, typ |

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