

## Hexcel® HexWeb® CR-PAA™ 3/8-5056-0.001 Phosphoric Acid Anodized Aluminum Honeycomb

Category : Metal , Metal Foam, Mesh, or Honeycomb , Nonferrous Metal , Aluminum Alloy , 5000 Series Aluminum Alloy

### Material Notes:

Grade is designated as "Cell Size-Alloy-Foil Gauge." The life cycle of aluminum honeycomb sandwich structures in a given application can be directly related to the quality of the bond between the face sheets that carry bending loads and the honeycomb that carries the shear loads. The adhesive is the interface between the facing and the core in the same way that the oxide on the aluminum and the primer that has been applied to it is the interface between the honeycomb substrate material and the bonding adhesive. This interface is critical to the performance of honeycomb bonded assemblies. Information provided by HexCel

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Hexcel-HexWeb-CR-PAA-38-5056-0001-Phosphoric-Acid-Anodized-Aluminum-Honeycomb.php](http://www.lookpolymers.com/polymer_Hexcel-HexWeb-CR-PAA-38-5056-0001-Phosphoric-Acid-Anodized-Aluminum-Honeycomb.php)

Physical Properties	Metric	English	Comments
Density	0.0256 g/cc	0.000926 lb/in <sup>3</sup>	Nominal

Mechanical Properties	Metric	English	Comments
Compressive Yield Strength	>= 0.517 MPa	>= 75.0 psi	Bare, min
	>= 0.552 MPa	>= 80.0 psi	Stabilized, min
	0.689 MPa	100 psi	Bare, typ
	0.758 MPa	110 psi	Stabilized, typ
Compressive Modulus	0.207 GPa	30.0 ksi	Stabilized, typ
Shear Modulus	0.0724 GPa	10.5 ksi	Plate Shear, W Direction, typ
	0.138 GPa	20.0 ksi	Plate Shear, L Direction, typ
Shear Strength	>= 0.262 MPa	>= 38.0 psi	Plate Shear, W Direction, min
	0.414 MPa	60.0 psi	Plate Shear, W Direction, typ
	>= 0.538 MPa	>= 78.0 psi	Plate Shear, L Direction, min
	0.621 MPa	90.0 psi	Plate Shear, L Direction, typ

## Contact Songhan Plastic Technology Co.,Ltd.

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