

## Hexcel® HexWeb® CRF-1/4-ACG-.003-15.2 Chromate free ACG® Honeycomb

Category : Metal , Nonferrous Metal , Aluminum Alloy , 3000 Series Aluminum Alloy

### Material Notes:

Hexweb CRF is a hexagonal cell aluminum honeycomb material used principally as a shear carrying core in light weight adhesively bonded sandwich structures, and suitable for a wide range of other applications. Hexweb CRF is available in a number of cell sizes and densities allowing versatility in design of sandwich structures with minimum weight but maximum stiffness and bucking resistance. Hexweb CRF utilizes the benefits of a chromate free corrosion protection coating. Key Features: Chromate free corrosion protection coating; Good strength and stiffness to weight ratio; High fatigue resistance; Good vibration damping characteristics; Non-combustible; Can be machined to complex profiles; Exhibits uniform crushing characteristics; Compatible with a wide range of skin materials, providing a good bonding surface for Redux® adhesives.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Hexcel-HexWeb-CRF-14-ACG-003-152-Chromate-free-ACG-Honeycomb.php](http://www.lookpolymers.com/polymer_Hexcel-HexWeb-CRF-14-ACG-003-152-Chromate-free-ACG-Honeycomb.php)

Mechanical Properties	Metric	English	Comments
Compressive Yield Strength	4.60 MPa	667 psi	Stabilised
Compressive Modulus	1.00 GPa	145 ksi	
Shear Modulus	0.220 GPa	31.9 ksi	Plate Shear, W direction
	0.440 GPa	63.8 ksi	Plate Shear, L direction
Shear Strength	1.50 MPa	218 psi	Plate Shear, W direction
	2.10 MPa	305 psi	Plate Shear, L direction

## Contact Songhan Plastic Technology Co.,Ltd.

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