

Hexcel® HexWeb® CRF-3/4-ACG-.003-1.8 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 buckling 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-34-ACG-003-18-Chromate-free-ACG-Honeycomb.php

Mechanical Properties	Metric	English	Comments
Compressive Yield Strength	0.900 MPa	131 psi	Stabilised
Compressive Modulus	0.165 GPa	23.9 ksi	
Shear Modulus	0.0550 GPa	7.98 ksi	Plate Shear, W direction
	0.110 GPa	16.0 ksi	Plate Shear, L direction
Shear Strength	0.400 MPa	58.0 psi	Plate Shear, W direction
	0.650 MPa	94.3 psi	Plate Shear, L direction

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