

Hardwire 3x2-4-12 Low Density Composite

Category : Metal , Ferrous Metal , Carbon Steel , High Carbon Steel , Metal Foam, Mesh, or Honeycomb

Material Notes:

The 3x2 Hardwire is a high carbon steel cord with a micro-fine brass or AO-brass (Adhesion Optimized) coating. The 3x2 wire cord is made by twisting 5 individual wire together - three straight filaments wrapped by 2 filaments (All filaments are 0.01378 in diameter) at a high twist angle. The result is an easy to handle cord that combines great engineering values with excellent economics. If the application is tension dominated choose the 3x2. Characteristics: Best properties in tensile applications. Excellent mix of engineering properties - Up to 8 KIPS/inch. Great stiffness, instant wet-ability, and excellent conformability. Works in all resins. Asymmetric shape acts like a screw and gives mechanical bonding characteristics. Excellent fatigue properties in tension and in high-flex situations. Great choice for extrusion and pultrusion applications. All information provided by Hardwire, LLC.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hardwire-3x2-4-12-Low-Density-Composite.php

Physical Properties	Metric	English	Comments
Density	1.44 g/cc	0.0519 lb/in ³	Laminate Density

Mechanical Properties	Metric	English	Comments
Modulus of Elasticity	16.5 GPa	2400 ksi	Effective Modulus
Flexural Yield Strength	203 MPa	29500 psi	Sheet Stress

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