Carbon Fiber Depron Foam Core

An inexpensive, non-structural foam core. DragonPlate Depron foam core composites are designed to be extremely lightweight. A Depron carbon fiber foam core laminate has the strength and stiffness of a carbon fiber laminate, but lacks the compressive strength and crushing resistance of a structural foam core. Available in gloss, matte or texture on one side and texture on other side for bonding to other surfaces.

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<th>Material Specifications</th>
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TECHNICAL SPECIFICATIONS

Properties of Carbon Fiber
- Tensile Strength: 512 ksi
- Tensile Modulus: 33.4 Msi

Properties of Depron Foam Core
- Density: 2.5 lb/ft³

Resin
- Epoxy resin that accounts for approximately 50% of the composition

Lay Up Schedule (3 Layer)
- 3 Layers Plain Weave Carbon Fiber
- Depron Foam
- 3 Layers Plain Weave Carbon Fiber

Lay Up Schedule (1 Layer)
- 1 Layer Plain Weave Carbon Fiber
- Depron Foam
- 1 Layer Plain Weave Carbon Fiber

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<td>CF LAYERS</td>
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<tr>
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Available in Various Sizes

Finish: Textured, gloss, or matte / Textured

Additional Options
- Custom Sizes
- Custom Laminates
- Custom Thickness
- CNC Machining
- Design and Engineering Services

* Weight varies with core density

Wʃ = 50%