

# EM-CF Sheet - Product Data Sheet

**NAME:** EM-CF Sheet  
**MANUFACTURER:** Elevated Materials  
**TYPE:** Carbon Fiber Plate



## PRODUCT DESCRIPTION:



Plain Weave



Twill Weave

Elevated Material manufactures sheets and plates products using resin systems and fibers from different material suppliers in order to maintain a diverse and stable supply chain while offering the highest quality product.

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Density lbs/in<sup>3</sup> (g/cm<sup>3</sup>): .057 (1.6)

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## PRODUCT BENEFITS/FEATURES:

- High Heat Tolerance
- Customizable layup

## TYPICAL APPLICATIONS:

- Drone Structures
- Industrial Brackets

## STANDARD FIBER PROPERTIES

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Tensile Strength, Ksi (MPa): ≥ 610 (4,200)

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Tensile Modulus, Msi (GPa): ≥ 33.4 (230)

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## STANDARD 0/90 LAMINATE PROPERTIES

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Tensile Strength, Ksi (MPa): >104 (717)

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Tensile Modulus, Msi (GPa): >8.1 (55.82)

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Compression Strength, Ksi (MPa): >100 (689.5)

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Compression Modulus, Msi (GPa): >7.1 (48.95)

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## STANDARD RESIN PROPERTIES

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Resin Type: Toughened Epoxy

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Tg (Dry), °F (°C): ≥ 250 (121)

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## STANDARD LAYUP

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Standard layup is a balanced 0/90 layup using either woven or unidirectional material. Specific layups and fiber types can be specified as required.

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More details are available upon request. Email [info@elevatedmaterials.com](mailto:info@elevatedmaterials.com)  
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