

# Ultrium™

Carbon Fiber Composites

## Structural Thermoset Composites

STC® – Ultra Performance Moldable Composites



# Composites® International

## Ideas For Meaningful Results.

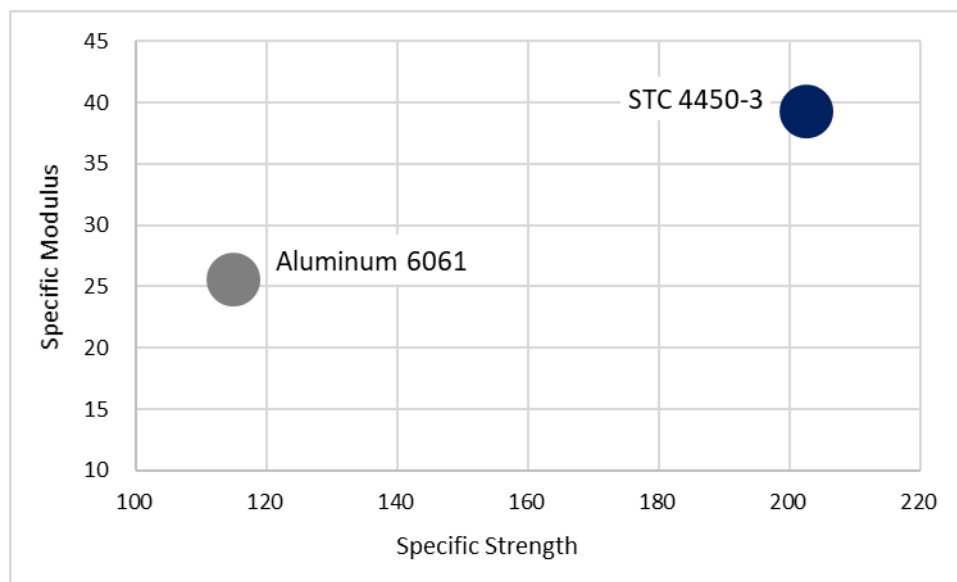
[idicomposites.com](http://idicomposites.com)

**PRODUCT:** 4450-3 (VEPU-CF50)

**PRODUCT DESCRIPTION:** Vinylester/polyurethane Structural Thermoset Composite with 3K tow carbon fiber. The carbon fiber content is 50%. This product exhibits outstanding strength/weight and stiffness/weight performance when compared to common metal alloys like Aluminum 6061.

Properties	Test Method	Value
Flexural Strength	ASTM D-790	416.0 MPa
Flexural Modulus	ASTM D-790	35.2 GPa
Tensile Strength	ASTM D-638	287.6 MPa
Tensile Modulus	ASTM D-638	55.7 GPa
Notched Izod	ASTM D-256	12.78 J/cm
Unnotched Izod	ASTM D-256	20.28 J/cm
Density	ASTM D-792	1.42 g/cm <sup>3</sup>

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**The information on this sheet is a guide.** The stated values reflect an average of several tests conducted on CI's goods. These values were obtained under ideal conditions and may not be replicated in any particular test, part, or application. Because the values achieved in actual parts depend considerably on part design, molding conditions, and testing methods, no guarantee is made or implied regarding values to be obtained in any specific test, part, or application. CI makes no warranty or representation as to the suitability of any of its goods for use in any application. CI relies on customer to conduct its own tests and judge for itself the suitability of CI's goods.

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