



**SUSTAINABLE  
COMPOSITE  
SOLUTIONS  
DELIVERED**

AIT Composites GBar® is a non-corrosive, high-performance glass fiber reinforcing bar superior to basic steel rebar.

- Great for reinforcing concrete structures in corrosive environments.
- Available in #3, #4, #5, and #6 sizes.
- GBar® is the best replacement for traditional steel reinforcements with a higher tensile strength and 70% less weight.
- As a replacement for traditional steel reinforcement, GBar™ can be assembled into cages and mats, either in the shop or in the field. Standard bar bends can also be provided.

**Benefits**



**100+ Year Service Life**

- AIT Composites GBar® is a corrosion resistant bar which aids in designing a structure with a much longer service life than traditional steel reinforced structures.

**Significant Weight Savings & Strength**

- GBar® is 1/4 the weight of steel which makes it less expensive to transport, easier to handle in the field, and a much faster to install. Modulus of elasticity 60GPa.

**Data / Applications**

Solid Round Glass Fiber Reinforced Polymer Bars for Concrete Reinforcement

ASTM D7957	Units	#4 (13mm)	#5 (16mm)	#6 (19mm)
Guaranteed Ultimate Tensile Force (ASTM D7205)	kN	130.6	177.8	228
	kip	29.40	40.00	51.30
Guaranteed Ultimate Tensile Modulus (ASTM D7205)	GPa	63.1	66.12	57.4
	ksi	9149.00	9590.00	8325.00
Guaranteed Ultimate Transverse Shear (ASTM D7617)	MPa	193	182	176
	ksi	20.7	26.90	25.50



GBar® is designed to reinforce concrete structures:

- Transportation**
- Marine**
- Buildings**

Product Data Sheet | GBar® | January 2022

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