



**SUSTAINABLE
COMPOSITE
SOLUTIONS
DELIVERED**

AIT Composites GBar® is a non-corrosive, high-performance glass fiber reinforcing bar superior to basic steel rebar and exceeds ASTM D7957 Qualification Requirements.

- Great for reinforcing concrete structures in corrosive environments.
- Available in #3, #4, #5, #6, #7 and #8 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 free 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 is much faster to install.

Data

ASTM D7957	Units	#3 (10mm)	#4 (13mm)	#5 (16mm)	#6 (19mm)
Guaranteed Ultimate Tensile Force (ASTM D7205)	kN	71.80	130.00	177.80	207.10
	kip	16.10	29.20	39.70	46.60
Mean Tensile Modulus (ASTM D7205)	GPa	>60	>60	>60	>60
	ksi	>8,700	>8,700	>8,700	>8,700
Guaranteed Ultimate Transverse Shear (ASTM D7617)	MPa	191	143	182	176
	ksi	27.80	20.74	26.40	25.53



GBar® is designed to reinforce concrete structures:

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

