



PultruxBar

FIBERGLASS REBAR

Stabilit is the leading manufacturer of fiberglass reinforced plastic panels, as an industry leader in industrial and corrosion-resistant products.

Through state-of-the-art manufacturing units and distribution centers, Stabilit offers value-added products with the highest global quality standards, competitive pricing and excellent customer service.

PultruxBar is ideal for works exposed to chemical agents and corrosive environments. Manufactured with vinyl ester resin, reinforced with fiberglass that ensures excellent resistance in corrosive environments without alterations in its chemical composition and physical behavior. It can fit any structure and reduce indoor heat buildup.



ADVANTAGES



Corrosion - Proof Reinforcement



Quick & Simple Installation



Transportation Savings



High Economic Efficiency



Thermal Insulator



Nonconductive & Nonferrous



High Chemical Resistance

APPLICATIONS

- Coastal & Marine Construction
- Industrial Warehouse Slabs
- Structures in Aggressive Chemical Media Environments
- Pre-cast Elements
- DOT & Infrastructure
- Waste Water Treatment Plants
- Mining & Tunneling Projects
- Telecommunication Construction
- Light-rail Transit Projects
- Continuously Reinforced Pavement
- Agricultural Construction
- Refrigerated Warehouses



PHYSICAL AND MECHANICAL PROPERTIES

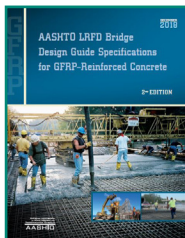
PROPERTY	IMPERIAL METRIC	#2	#3	#4	#5
Nominal Diameter	in	0.25	0.375	0.5	0.625
	mm	6	10	13	16
Nominal Cross-Sectional Area	in ²	0.05	0.11	0.20	0.31
	mm ²	32	71	129	199
Weight/Lenght	lbs/ft	0.05	0.10	0.18	0.28
	kg/m	0.07	0.15	0.27	0.42
Guaranteed Tensile Force	kip	7	16	26	40
	kN	31	71	115	181
Guaranteed Tensile Strength	Ksi	146	146	130	132
	MPa	1008	1008	897	914
Tensile Modulus of Elasticity	msi	7.2	7.2	7.2	7.2
	Gpa	50	50	50	50
Mean Transverse Shear Strength	Ksi	20			
	Mpa	138			
Breaking Elongation	%	1.8	1.8	1.6	1.7

DESIGN CODE COMPLIANCE



American Concrete Institute
Always advancing

ACI 440.11-2022
"Building Code Requirements for
strcutural Concrete Reinforced with
Glass Fiber-Reinforced Polymer
(GFRP) Bars-Code and Commentary"



AASHTO LRFD
Bridge Design Guide Specifications
for GFRP Reinforced Concrete 2nd
edition, 2018



ASTM INTERNATIONAL

ASTM D7957/D7957M-17
Standard Specification For Solid Round
Glass Fiber Reinforced Polymer Bars For
Concrete Reinforcement



PLASTIC PANELS EXPERTS

www.stabilit.com