FRT | TUF-BAR®

FIBERGLASS REBAR TECHNOLOGY LTD.

Fiberglass Rebar

60GPa Bent Bars

100+ Years Concrete Reinforcement

Ultimate Corrosion Solution

APPLICATIONS

- Bridge Decks and Barrier Walls
- Roads, Parking Garages and Concrete Slabs
- Power Generation and MRI
- Tunneling and Temporary Reinforcement
- Dams, Sea Walls and Marine Applications

TUF-BAR® uses the highest quality corrosion resistant vinyl ester resin and E-CR fiberglass materials.

- **Contributes 7 LEED Credits**
- **Bends in all sizes**
- **Custom lengths**

100+ Years Sustainability

- 300% Total Project Savings
- Zero Maintenance
- ¼ The Weight of Steel
- 3X Tensile Strength of Steel
- Non-Magnetic
- Non-Conductive
- Thermal Insulation

ASTM CSA ACI AASHTO

TUF-BAR® 60 GPa Bent Bars

Product Data Sheet: TUF-BAR® 60 Bent Bars

Oct 2021

	Units	#3-60	#4-60	#5-60	#6-60	#7-60	#8-60
Nominal Diameter (CSA S807)	mm	10	13	15	20	22	25
	inch	3/8	1/2	5/8	3/4	7/8	1
Fiber Type		E-CR glass					
Resin Type		Vinyl ester					
Fiber Content (by weight)	%	>80%					
Guaranteed Ultimate Tensile Strength (Straight Portion ASTM D7205 / CSA S806)	MPa	1000	1000	1000	1000	1000	1000
	ksi	145	145	145	145	145	145
Minimum Tensile Modulus of Elasticity (Straight Portion ASTM D7205/CSA S806)	GPa	60					
	ksi	8702					
Minimum Tensile Strength (Bent Portion ASTM D7914)	MPa	600	550	550	550	550	550
	ksi	87	78	78	78	78	78
Weight	g/m	195	339	526	742	990	1309
	lb/ft	0.13	0.23	0.35	0.50	0.67	0.88
Effective Cross-Sectional Area (Including Coating) (CSA S807)	mm^2	91	152	235	335	435	574
	$inch^2$	0.141	0.236	0.364	0.519	0.674	0.890
Nominal Cross-Sectional Area (CSA S807)	mm^2	71	129	199	284	387	510
	$inch^2$	0.110	0.200	0.308	0.440	0.600	0.791

TUF-BAR® 60 Bent Bars Comply with:

- CSA S807, Grade IIIB
- MTO, Grade III Bends

FRT | TUF-BAR®
FIBERGLASS REBAR TECHNOLOGY LTD.

CANADA
5522-36 Street NW
Edmonton, AB, T6B 3P3

1-877-556-3500
780-462-8100
info@frttuf-bar.com