



Fibreglass and Basalt FRP rebars

Durable, non corrosive and economical concrete reinforcement products

Black Bar™ GRADE III GFRP REBAR

Black Bar™	Size	8	10	12	16	20	22	24
Guaranteed Tensile Strength		>1000 Mpa						
Young's Modulus , E		>60,000 Mpa (60 Gpa)						
Ultimate Strain , ϵ_{fu}		>1.6%						
Transverse Shear Strength , τ		>210MPa						
Bond Stregth to Concrete		18MPa Minimum						
Strength of Bend (Straight Portion)		>800 MPa						
Strength of Bend (Bend Portion with Minimum Radius Bend : 4x Diameter of Bar)		>550 MPa						
Young's Modulus , E (Bend Bar)		57 GPa						
Weight (Kg/m)		0.1	0.15	0.2	0.3	0.73	0.99	1.4
Cross Sectional Area (mm ²)		32	71	132	201	285	387	491
Glass Transition Temperature, Tg°		110C°						

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