



Glass Fibre reinforcement. Made in Australia

Durable, non corrosive and economical concrete reinforcement products

Black Bar™ GRADE III GFRP REBAR

Black Bar™	Size	8	10	13	15	20	22	24
Guaranteed Tensile Strength Mpa		1200	1200	1200	1000	1000	1000	1000
Young's Modulus , E		>60,000 Mpa (60 Gpa)						
Ultimate Strain , ϵ_{fu}		>1.6%						
Transverse Shear Strength , τ		>180MPa						
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)		60 GPa						
Weight (Kg/m)		0.1	0.15	0.23	0.35	0.8	1.1	1.7
Cross Sectional Area (mm ²)		50	71	129	199	284	510	819
Glass Transition Temperature, Tg°		136C°						

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