



VRUSKHA COMPOSITES

Live Green & Live Happy

GFRP REBAR PROPERTIES

S.NO	Physical Properties	Range
1	Raw Material	GFRP Rebar
2	Fiber volume fraction	0.55
3	Density	2100Kg/m ³
4	Longitudinal Modulus	39GPa
5	Transverse modulus	8.6GPa
6	In – Plane shear modulus	3.8GPa
7	Major Poisson's ratio	0.28
8	Minor Poisson's ratio	0.06
9	Longitudinal Tensile strength	1080MPa
10	Transverse Tensile strength	39MPa
11	Shear strength	89MPa
12	Longitudinal Tensile strain	2.8%
13	Transverse Tensile strain	0.5%
14	Longitudinal compressive strength	620MPa
15	Transverse compressive strength	128MPa



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Working for Research and Development

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