V-ROD 46 COMPLIES WITH ICC-ES

GLASS FIBER REINFORCEDPOLYMER (GFRP) REBAR

REVISION: January, 2025

Product Data Sheet – V·ROD 46

		6 M	10 M	12 M	15 M	20 M	22 M	25 M	30 M	32 M
Guaranteed tensile strength* (ASTM D7205)	MPa	1 000	1 000	1 000	1 000	1 000	950	850	800	800
(Minimum tensile modulus (ASTM D7205)	GPa	46								
Guaranteed transverse shear capacity (ASTM D7617)	MPa	160								
Resin		vinylester								
Weight	g/m	73.4	150.8	264.5	403.7	567.4	760.5	1012.6	1281.6	1582.2
Effective cross-sectional area (including sandcoating)** (CSA S806 Annex A)	mm^2	36.5	71.12	123.9	195.8	277.1	377.2	477.8	604.7	746.6
Effective diameter	mm	6.65	9.49	12.56	15.61	18.52	21.71	24.66	27.7	30.8
Nominal cross-sectional area (CSA S807 Table 1)	mm^2	32	71	129	199	284	387	510	645	819

COMPLIES WITH THE FOLLOWING STANDARDS:

- CSA S807-19
- GRADE I MTO
- ASTM D7957-22

* The nominal guaranteed tensile strength must not be used to calculate the strength of the bent portion of a bent bar. Instead use the minimum guaranteed tensile strength found in the technical data sheet of bent V·ROD bars.

** Please contact Pultrall for dowelling applications. Development and splice length are available upon request but should be determined by the design engineer.

The guaranteed value presented in this document is the mean value minus 3 times the standard deviation.

It is the responsibility of the design engineers to contact the bar manufacturer to get the latest updates of this technical data sheet (also available at inframod.com).

For any additional technical results or litterature, please contact Pultrall.

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PRODUCT DATA SHEET

VROD 46

GLASS FIBER REINFORCED POLYMER (GFRP) REBAR



STANDARDS & COMPLIANCE

- CSA S807-19
- GRADE 1 MTQ
- ASTM D7957-22

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PRODUCT SPECIFICATIONS

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STRONGER
LIGHTER
LONGER LASTING

V•ROD 46

GLASS FIBER REINFORCED POLYMER (GFTP) REBAR



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V·ROD

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