

# V•ROD 60

## GLASS FIBER REINFORCED POLYMER (GFRP) REBAR

### Product Data Sheet - V•ROD 60

REVISION: APRIL 2017

		#3 (10M)	#4 (12M)	#5 (15M)	#6 (20M)	#8 (25M)
Guaranteed tensile strength* (ASTM D7205)	MPa	1100	1100	1100	1100	1100
	ksi	159,5	159,5	159,5	159,5	159,5
Minimum tensile modulus (ASTM D7205)	GPa	60				
	ksi	8702,3				
Guaranteed transverse shear capacity (ASTM D7617)	MPa	180				
	ksi	26,1				
Resin		vinylester				
Weight	g/m	175	310	442	633	1127
	lb/ft	0,118	0,208	0,297	0,425	0,757
Effective cross-sectional area (including sand coating)** (CSA S806 Annex A)	mm <sup>2</sup>	83,8	145	232,9	326,8	572,3
	in <sup>2</sup>	0,130	0,225	0,361	0,507	0,887
Effective diameter	mm	10,33	13,59	17,22	20,39	26,99
	in	0,407	0,535	0,678	0,803	1,063
Nominal cross-sectional area (CSA S807 Table 1)	mm <sup>2</sup>	71	129	199	284	510
	in <sup>2</sup>	0,110	0,199	0,308	0,440	0,790

#### COMPLIES WITH THE FOLLOWING STANDARDS ;

- GRADE III CSA
- GRADE III MTO
- NORME ASTM D30.10

\* 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 [www.vrod.ca](http://www.vrod.ca)). For any additional technical results or literature, please contact **Pultrall**.

**PULTRALL**

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