

V•ROD POLY

GLASS FIBER REINFORCED POLYMER (GFRP) REBAR

REVISION: Feb. 2020

Product Data Sheet – V•ROD POLY

		5M	#2 6M	7M	8M	9M	#3 10M	11M	#4 12M	13M	14M
		3/16"	1/4"	9/32"	5/16"	11/32"	3/8"	7/16"	1/2"	9/16"	17/32"
Average tensile strength (ASTM D7205)	MPa	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
	ksi	145,0	145,0	145,0	145,0	145,0	145,0	145,0	145,0	145,0	145,0
V-ROD tensile load capacity	lbs	4400	6300	8600	11300	14300	17650	21350	25400	29800	34600
	kg	2000	2900	3900	5100	6500	8000	9700	11500	13500	15700
Steel tensile load capacity	lbs	2000	3000	4000	5050	6050	8050	10100	12100	13150	15650
	kg	900	1350	1800	2250	2700	3600	4500	5400	5900	7000
Minimum tensile modulus (ASTM D7205)	GPa	40									
	ksi	5801,5									
Resin		Polyester									
Weight	g/m	45	58.8	78.1	99	123.8	148.9	174	204.4	234.2	272.4
	lb/ft	0.030	0.040	0.052	0.067	0.083	0.100	0.117	0.137	0.157	0.183
Effective cross-sectional area** (including sand coating) (CSA S806 Annex A)	mm ²	17,5	22,8	31,6	41,4	52,7	63,8	75,9	89	103,3	120,5
	in ²	0,027	0,035	0,048	0,064	0,082	0,099	0,118	0,138	0,16	0,187
Nominal cross-sectional area (CSA S807 Table 1)	mm ²	19,6	28,3	38,5	50,3	63,6	78,5	95	113	132,7	153,9
	in ²	0,030	0,044	0,060	0,078	0,097	0,122	0,147	0,175	0,206	0,239

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PLEASE BE ADVISED THAT V-ROD POLYESTER CONCRETE REINFORCING BARS ARE MEANT TO BE USED EXCLUSIVELY IN NON-STRUCTURAL CONCRETE BUILDING ELEMENTS/COMPONENTS AS DEFINED BY THE CANADIAN STANDARD CSA S806 OR ELEMENTS/COMPONENTS THAT ARE NOT CONSIDERED TO BE PART OF EITHER THE PRIMARY OR SECONDARY STRUCTURAL SYSTEMS. THEREFORE, TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, UNDER NO CIRCUMSTANCES SHALL PULTRALL INC. OR ITS AFFILIATES, PARTNERS, SUPPLIERS OR LICENSEES BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, CONSEQUENTIAL, SPECIAL OR EXEMPLARY DAMAGES OR ANY LOSS OF PROFITS OR REVENUES ARISING FROM OR IN CONNECTION WITH YOUR USE OF THE SAID BARS IN ANY OTHER APPLICATION BUT THE ONES FOR WHICH THEY ARE INTENDED, WHETHER OR NOT THE DAMAGES WERE FORESEEABLE AND WHETHER OR NOT PULTRALL WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

** Please contact **Pultrall** for dowelling applications.

- Non-structural
- Used for Crack control and minimum reinforcement only
- Non certified range of product

Development and splice length are available upon request but should be determined by the design engineer.

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). For any additional technical results or literature, please contact **Pultrall**.

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