



BASALT FIBER REINFORCED POLYMER (BFRP) REBAR

Product Data Sheet – V•ROD BASALT 60 GPA

		#2 (6 M)	#3 (10 M)	#4 (12 M)	#5 (15 M)	#6 (20 M)	#7 (22 M)	#8 (25 M)
Guaranteed tensile strength* (ASTM D7205)	MPa	1400	1400	1350	1300	1250	1200	1150
	ksi	203	203	195,8	188,5	181,3	174	166,8
Minimum tensile modulus (ASTM D7205)	GPa	60						
	ksi	8702						
Guaranteed transverse shear capacity (ASTM D7617)	MPa	230	220	220	210	200	190	180
	ksi	33,4	31,9	31,9	30,5	29	27,6	26,1
Resin	vinylester							
Effective cross-sectional area** (ASTM D7205 Including sand coating)	mm ²	37	82	144	228	344	475	610
	in ²	0,057	0,127	0,223	0,353	0,533	0,736	0,945
Effective diameter	mm	8	11	14,3	17,8	21,3	25	28
	in	0,31	0,43	0,56	0,70	0,84	0,98	1,10
Nominal cross-sectional area (ASTM D7957 tabel 3)	mm ²	32	71	129	199	284	387	510
	in ²	0,049	0,11	0,2	0,31	0,44	0,60	0,79
Linear weight	kg/m	0,09	0,18	0,32	0,48	0,72	0,96	1,24
	lbs/ft	0,06	0,12	0,21	0,32	0,48	0,65	0,83

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



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