

Technical data sheet straight Carbon V-rod

		#2 CFRP	#3 CFRP	#4 CFRP
		V-rod	V-rod	V-rod
Tensile strength	MPa	1518	1596	1899
	ksi	220,15	231,3	275,4
Guaranted design tens str	MPa	1355,5	1431	1765
	ksi	196,7	207,4	256,0
Tensile modulus	GPa	127	120	144
	ksi	18405,5	17391	20885
Tensile strain	%	1,215	1,33	1,32
Poisson's ratio		0,285	0,3	
Bond stress	MPa	16,25	16,5	
	psi	0		
Bond dependant coefficient		1	1	
Long coeff thermal exp	xE-6/C	-2,25	-2,5	
	xE-6/F	-1,4	-1,4	
Trans coeff thermal exp	xE-6/C	38	38	
	xE-6/F	21	21	
Cross-sectional area	(mm ²)	31,67	71,26	