

Marlow® DATASHEET

V12 VECTRAN



CONSTRUCTION

MATERIAL: Vectran (Liquid crystal polymer)
CONSTRUCTION: 12 strand braided
COATING: 'ArmourCoat' PU impregnation

PROPERTIES

VERY HIGH STRENGTH: Utilises Vectran fibre
12 STRAND: Easily spliced
ARMOURCOATED: Improves abrasion resistance and feel
LOW STRETCH: Low elastic elongation
GOOD HEAT RESISTANCE: Melts at 330°C
GOOD CHEMICAL RESISTANCE: Resistant to most common chemicals

PERFORMANCE

DIAMETER		CIRCUMFERENCE		MASS		AVERAGE STRENGTH			MIN STRENGTH		
mm	Inch	g/m	lb/100 ft	kg	lb	kN	kg	lb	kN		
2.5	3/32	4.5	0.30	627	1380	6.2	564	1240	5.5		
3	1/8	6.7	0.45	993	2190	9.7	894	1970	8.8		
4	5/32	13.4	0.90	1680	3700	16.5	1510	3330	14.8		
5	3/16	17.9	1.20	2410	5300	23.6	2160	4770	21.2		
6	7/32	22.4	1.50	3350	7390	32.9	3020	6650	29.6		
7	1/4	33.6	2.25	5750	12700	56.4	5180	11400	50.8		
9	3/8	53.8	3.61	8680	19100	85.2	7810	17200	76.6		
10	13/32	67.2	4.51	11000	24200	108	9882	21800	96.9		
11	7/16	89.6	6.01	12000	26300	117	10800	23700	106		
13	1/2	107.5	7.21	14700	32400	144	13200	29200	130		
15	9/16	141.1	9.46	18400	40600	181	16600	36500	163		
16	5/8	170.2	11.42	22700	50000	223	20400	45000	200		
18	3/4	188.2	12.62	25100	55300	246	22600	49800	222		

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