

PHILLYSTRAN[®] FOUR STRAND ROPES (HMPE) SPECTRA[®] / DYNEEMA[®] (HMPE)

179-2/06

Phillystran high modulus polyethylene fiber ropes (HMPE) have been specifically designed for dock mooring lines, head lines, and breast lines, or any application requiring ropes that are easy to handle and splice. HMPE ropes consist of four HMPE fiber strands around an independent synthetic core. Each strand is individually over-braided with alternating aramid and polyester yarns for added abrasion resistance. Floating ropes are also available upon request.



PART NUMBER	BREAK STRENGTH		NOMINAL DIAMETER		APPROX WEIGHT	
	LBS	kN	INCHES	mm	LBS/100 FT	kg/100m
HMPE 100	100,000	445	1-5/16	33	38	57
HMPE 140	140,000	623	1-1/2	38	48	71
HMPE 180	180,000	801	1-3/4	44	57	86
HMPE 230	230,000	1,023	2	51	70	104
HMPE 300	300,000	1,334	2-1/4	57	87	130
HMPE 360	360,000	1,601	2-3/8	60	105	156
HMPE 405	405,000	1,802	2-5/8	67	120	179
HMPE 510	510,000	2,269	2-3/4	70	160	238
HMPE 660	660,000	2,936	3-1/4	82	200	298

Weights and Dimensions can vary

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Dyneema[®] is a Registered Trademark of DSM B.V.

CAUTION: Break Strength: The breaking strength of a rope is the load at which a new rope will break when tested under laboratory conditions. Break strength should not be mistaken for safe working load. **Safe Working Load:** Because of the wide range of rope use, rope condition and the degree of risk of life or property, it is not possible to make a blanket recommendation for safe working load. It is ultimately dependent on the rope user to determine what percentage of break strength is their own safe working load. **Wear:** Ropes wear out with use; the more severe the usage, the greater the wear. It is often not possible to detect wear on a rope by visible signs alone. Therefore, it is recommended that the rope user determine a retirement criteria for ropes in their application. For assistance in developing safe working load and retirement criteria for each application please call or write Phillystran, Inc.

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