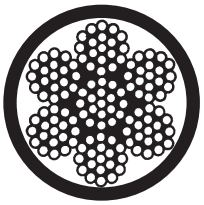
PHILLYSTRAN PSPE ROPES (HIGH MODULUS POLYETHYLENE - HMPE)

Phillystran high modulus polyethylene fiber ropes (PSPE) have been engineered for applications where light weight, high strength and excellent abrasion resistance are essential. Phillystran PSPE ropes are general purpose working ropes manufactured in a 7 strand “wirelay” construction with an overall braided polyester jacket. Phillystran will customize our ropes to meet the demands of your specific application -- contact us for details.



Core Fiber:	HMPE (Dyneema®/Spectra®)
Standard Jacket:	Braided Polyester*
Construction:	7 strand core with over-braided jacket
Specific Gravity:	1.10**
Heat Resistance:	90% strength retention @ 104°F (40°C)
Melting Temperature:	291°F (144°C) - Core
Performance in Water:	Wet strength equals dry
Resistance to Chemicals, UV, Bending, Abrasion:	Excellent
Typical Applications:	Winching, Mooring, Towing
Typical Markets:	Mining, Commercial Marine, Industrial

*Alternative jacket fibers or extruded jackets available

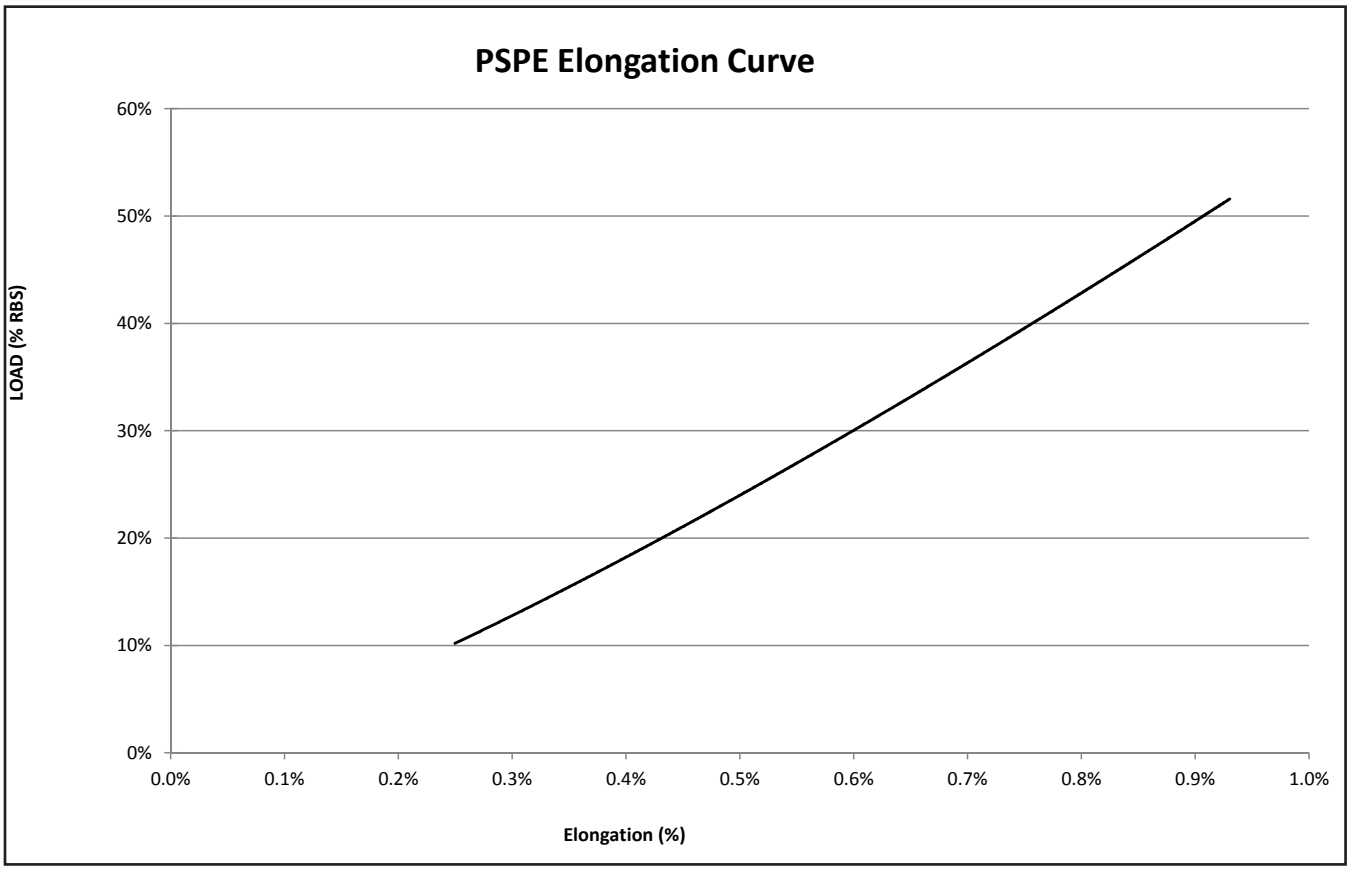
** Floating option is available

PART	BREAK STRENGTH		DIAMETER		WEIGHT	
NUMBER	lb	kN	in	mm	lb/1000 ft	kg/km
PSPE 005	1,500	6.7	1/8	3.2	7	10
PSPE 008	4,000	18	3/16	4.8	17	25
PSPE 010	7,700	34	1/4	6.4	35	52
PSPE 020	15,000	67	3/8	10	50	74
PSPE 030	23,000	102	7/16	11	70	100
PSPE 040	28,000	125	1/2	13	85	130
PSPE 050	44,000	196	5/8	16	130	190
PSPE 060	63,000	280	3/4	19	170	250
PSPE 080	110,000	489	1	25	300	450
PSPE 145	145,000	645	1-1/8	29	380	570
PSPE 165	165,000	734	1-1/4	32	420	630
PSPE 210	210,000	934	1-1/2	38	520	770
PSPE 255	255,000	1,134	1-5/8	41	610	910
PSPE 310	310,000	1,379	1-3/4	44	710	1,060
PSPE 355	355,000	1,579	1-7/8	48	850	1,260
PSPE 470	470,000	2,091	2-1/8	54	1,090	1,620
PSPE 590	590,000	2,624	2-1/2	64	1,510	2,250
PSPE 710	710,000	3,158	2-3/4	70	1,800	2,680
PSPE 830	830,000	3,692	3	76	2,100	3,130
PSPE 945	945,000	4,203	3-1/4	83	2,500	3,720
PSPE 1065	1,065,000	4,737	3-1/2	89	2,950	4,390
PSPE 1180	1,180,000	5,250	3-5/8	92	3,300	4,910

Weights and Dimensions can vary

151 Commerce Drive
Montgomeryville, PA 18936-9628 USA
Phone: 215-368-6611 Fax: 215-362-7956
Web: www.phillystran.com
E-mail: information@phillystran.com

PHILLYSTRAN
A WireCo® WorldGroup Brand



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.

151 Commerce Drive
Montgomeryville, PA 18936-9628 USA
Phone: 215-368-6611 Fax: 215-362-7956
Web: www.phillystran.com
E-mail: information@phillystran.com

ISO 9001 SRI® CERTIFIED

PHILLYSTRAN
A WireCo® WorldGroup Brand