

PHILLYSTRAN[®] IMPREGNATED ROPES ZYLON[®] (PBO)

192-2/06

Phillystran PSZI consist of a resin impregnated Zylon[®] -HM (PBO) fiber in a wire lay construction. The PSZI ropes are available both bare and jacketed. The standard jacketed ropes have an extruded polyurethane jacket for maximum abrasion resistance. Other jackets are available upon request. PSZI ropes are ideally suited for applications requiring maximum strength to diameter ratios as in streamer cables, bay cables, and ocean bottom cables.

PART NUMBER	BREAK STRENGTH		BARE DIAMETER		BARE WEIGHT		MODULUS Gpa
	LBS	KN	IN	mm	LBS/1000 FT	kg/km	
PSZI 2200	2200	9.8	0.085	2.16	2.9	4.3	207
PSZI 3800	3800	17	0.105	2.67	4.4	6.5	207
PSZI 7200	7200	32	0.175	4.45	10.6	15.7	207
PSZI 12000	12000	53	0.220	5.59	17.6	26.2	207
PSZI 20200	20200	90	0.260	6.60	24.6	36.7	207
PSZI 28000	28000	125	0.350	8.89	43	64.	166
PSZI 38000	38000	169	0.430	10.92	60	88.9	166
PSZI 49000	49000	218	0.500	12.70	76	113.7	152
PSZI 63000	63000	280	0.565	14.35	95	142.2	152
PSZI 77000	77000	343	0.645	16.38	130	193.8	138

Weights and Dimensions can vary
Zylon[®] is a registered trademark of Toyobo Co., Ltd.

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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