

ROUND PLAIT™ POLYESTER Twelve - Strand Product Code: 402

12-STRAND



**12-Strand
Round Plait™
Polyester Fiber**

Constructed by utilizing our exclusive Duron™ processing technology with Parallay™ plying. This high tenacity twelve-strand polyester provides superior strength and wear. The firm, Round Plait™ construction is further enhanced for wet wear resistance and maintenance of

service life flexibility through the application of Pro-Gard™ marine finish. The Round Plait™ construction affords maximum bearing surface for excellent performance on bits or capstans. The low stretch affords superior working control and minimum excursion. Round Plait™ constructions are easily spliced by a standard tuck splice procedure.

CHARACTERISTICS

- Non-Rotating, easy to splice
- High strength with low stretch
- Superior working wear life – wet and dry

APPLICATIONS

- Tug Assist Lines
- Mooring and Pendant Lines
- Barge Tie-Up Lines

ROUND PLAIT POLYESTER

SIZE				WEIGHT		AVERAGE STRENGTH		MINIMUM STRENGTH	
Dia. Inch	Dia. mm	Circ. Inch	Circ. mm	Lbs per 100 Ft.	Kg per 100 M	Lbs	Kg	Lbs	Kg
3/4"	18	2-1/4"	54	18.8	28.0	17,400	7,893	15,700	7,122
7/8"	22	2-3/4"	66	28.1	41.8	26,200	11,884	23,600	10,705
1"	24	3"	72	35.1	52.2	30,500	13,835	27,500	12,474
1-1/8"	28	3-1/2"	84	41.1	61.2	39,200	17,781	35,300	16,012
1-1/4"	30	3-3/4"	90	45.8	68.2	45,800	20,775	41,200	18,688
1-5/16"	32	4"	96	54.9	81.7	52,300	23,723	47,100	21,365
1-1/2"	36	4-1/2"	108	71.0	105.7	65,400	29,665	58,900	26,717
1-5/8"	40	5"	120	84.8	126.2	78,500	35,608	70,700	32,070
1-3/4"	44	5-1/2"	132	98.7	146.9	91,600	41,550	82,400	37,377
2"	48	6"	144	120.0	178.6	111,000	50,350	99,900	45,315
2-1/8"	52	6-1/2"	156	141.0	209.8	131,000	59,422	117,900	53,479
2-1/4"	56	7"	168	160.0	238.1	151,000	68,494	135,900	61,644
2-1/2"	60	7-1/2"	180	188.0	279.8	177,000	80,287	159,300	72,258
2-5/8"	64	8"	192	207.0	308.1	196,000	88,906	176,400	80,015
2-3/4"	68	8-1/2"	204	234.0	348.2	222,000	100,699	199,800	90,629
3"	72	9"	216	272.0	404.8	255,000	115,668	229,500	104,101
3-1/4"	80	10"	240	337.0	501.5	309,000	140,162	278,100	126,146
3-5/8"	88	11"	264	402.0	598.3	375,000	170,100	337,500	153,090
4"	96	12"	288	486.0	723.3	450,000	204,120	405,000	183,708

Fiber Content: Polyester Fiber
 Specific Gravity: 1.38
 Elastic Elongation at Percentage of Break Strength:
 10% 20% 30%
 1.7 2.7 3.9
 Water Absorption Fiber:
 1% to 2%

