



MAGNARO® - Twaron® Plus

PRODUCT PROPERTIES

Material	Aramid
Construction	12-strand
Jacketed	Yes
Rotating	No
Color of Rope	White
Specific Gravity	1.44
Melting Point	500°C
(*Decomposition temperature)	
Abrasion Resistance	Excellent
U.V. Resistance	Excellent
Chemical Resistance	Excellent
Dry & Wet Conditions	Identical wet & dry strengths

Dia.	Circ.	Weight	MBL (Unspliced)		MBL/LDBF*(Spliced)	
			Ton	kN	Ton	kN
34	4 1/4	96.2	71.0	696	64.0	628
36	4 1/2	106	80.0	785	72.0	706
38	4 3/4	117	91.0	892	82.0	804
40	5	128	98.0	961	88.0	863
42	5 1/4	139	109	1069	98.0	961
44	5 1/2	157	128	1255	115	1128
46	5 3/4	169	139	1363	125	1226
48	6	183	152	1491	137	1344
50	6 1/4	202	167	1638	150	1471
52	6 1/2	218	181	1775	163	1598
54	6 3/4	235	197	1932	177	1736
56	7	252	213	2089	192	1883
58	7 1/4	270	229	2246	206	2020
60	7 1/2	288	246	2412	221	2167
62	7 3/4	308	265	2599	239	2344
64	8	329	284	2785	256	2511

FEATURES & BENEFITS

- Twaron® is Teijin Aramid's flagship high-performance yarn.
- High strength: excellent strength-to-weight ratio
- High dimensional stability with very low creep
- Long term rope durability because of Aramid's unique chemical and mechanical properties
- Increased safety (low snap back)
- Cover gives extra protection against abrasion, increasing the rope's service life
- Fully recyclable

*LDBF as per OCIMF MEG4 recommendations (spliced dry condition)

**Weights are with polyester cover, weights with other covers are available upon request.

APPLICATIONS ELONGATION

- MOORING
- Main Line

Magnaro® - Twaron® PLUS	
Break Force	Elongation
10%	0.9%
30%	2.1%
50%	3.0%
100%	4.8%