

## SUPER FLEX POLYPROYLENE & POLYESTER MIX

### Physical characteristics:

- Strength is equal when wet or dry.
- High strength to weight ratio for ease of handling
- Excellent abrasion resistance against internal and external friction.
- Exceptional resistance to frictional heat damage.
- Manufactured in accordance with OCIMF guidelines
- TCLL value of 73%. TCLL is the actual breaking load of a wet rope after 1000 cyclical loadings. This is expressed as a percentage of the original wet breaking strength.
- Excellent shock - load absorption, yielding low snapback at break.
- Remains flexible & easy to splice in use.
- Does not absorb water.
- Excellent chemical resistance, except in the presence of alkalis.

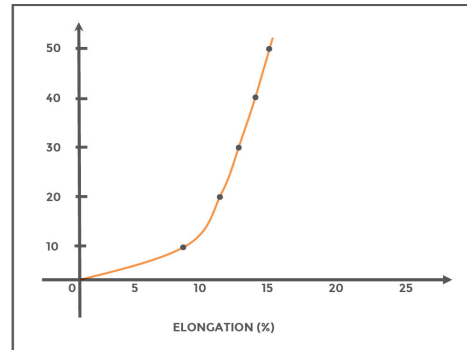
### Applications:

- Towing stretchers.
- Single Point moorings.
- Mooring lines.
- Mooring Jaws

### Properties:

- Construction: 3-4-8-12 Strand
- Colour: White
- Marker: 2 Blue Marker Yarn
- Specific Gravity: 0.99 - 1.14
- Melting Point: 265 °c / 165 °c
- U.V Resistance: Good (as per customer request)
- Dry & Wet Conditions: Identical Wet & Dry Strengths
- Abrasion Resistance: Excellent
- Classification: GI & Mills
- Bending Ratio: Equally Dry & Wet
- Elongation At Breaking Point: 18%
- Floats/sinks: As Per Special Request

### Percentage Elongation:



### SUPER FLEX: 12 Strand

| Dia.<br>mm | Dia.<br>Inch | Cir.<br>Inch | Wt. Per<br>220 Mtrs.<br>In Kgs. | Wt. Per<br>200 Mtrs.<br>In Kgs. | Wt. Per<br>220 Mtrs.<br>In Lbs. | Wt. Per<br>200 Mtrs.<br>In Lbs. | Mtr/<br>Kg | Feet/<br>Kg | MBL    |        |         | Maximum<br>Length<br>Mtr. |
|------------|--------------|--------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------|-------------|--------|--------|---------|---------------------------|
|            |              |              |                                 |                                 |                                 |                                 |            |             | Kgf    | Lbs    | KN      |                           |
| 52         | 2-1/16       | 6-1/2        | 327.00                          | 297.27                          | 719.40                          | 654.00                          | 0.67       | 2.21        | 64300  | 141460 | 630     | 800                       |
| 56         | 2-1/4        | 7            | 371.00                          | 337.27                          | 816.20                          | 742.00                          | 0.59       | 1.95        | 72800  | 160160 | 714     | 700                       |
| 60         | 2-3/8        | 7-1/2        | 417.00                          | 379.09                          | 917.40                          | 834.00                          | 0.53       | 1.73        | 81200  | 178640 | 796     | 600                       |
| 64         | 2-1/2        | 8            | 463.00                          | 420.91                          | 1018.60                         | 926.00                          | 0.48       | 1.56        | 90400  | 198880 | 886     | 500                       |
| 68         | 2-15/16      | 8-1/2        | 540.00                          | 490.91                          | 1188.00                         | 1080.00                         | 0.41       | 1.34        | 104100 | 229020 | 1021    | 490                       |
| 72         | 2-7/8        | 9            | 586.00                          | 532.73                          | 1289.20                         | 1172.00                         | 0.38       | 1.23        | 113100 | 248820 | 1109    | 450                       |
| 76         | 3            | 9-1/2        | 692.00                          | 629.09                          | 1522.40                         | 1384.00                         | 0.32       | 1.04        | 134100 | 295020 | 1315    | 380                       |
| 80         | 3-1/4        | 10           | 765.00                          | 695.45                          | 1683.00                         | 1530.00                         | 0.29       | 0.94        | 148100 | 325820 | 1452    | 340                       |
| 88         | 3-15/16      | 11           | 912.00                          | 829.09                          | 2006.40                         | 1824.00                         | 0.24       | 0.79        | 175100 | 385220 | 1717    | 275                       |
| 96         | 3-3/4        | 12           | 1075.00                         | 977.27                          | 2365.00                         | 2150.00                         | 0.20       | 0.67        | 205100 | 451220 | 2011    | 240                       |
| 104        | 4-1/2        | 13           | 1237.00                         | 1124.55                         | 2721.40                         | 2474.00                         | 0.18       | 0.58        | 235100 | 517220 | 2305    | 220                       |
| *112       | 1-7/8        | 14           | -                               | 1310.00                         | -                               | 2882.00                         | 0.15       | 0.49        | 268000 | 589600 | 2627    | *200                      |
| *120       | 5            | 15           | -                               | 1350.00                         | -                               | 2970.00                         | 0.13       | 0.42        | 307500 | 676500 | 3014    | *180                      |
| *112       | 1-7/8        | 14           | -                               | 1124.5                          | -                               | 2474                            | 0.17       | 0.56        | 200200 | 440440 | 1962.74 | *200                      |
| *120       | 5            | 15           | -                               | 1200                            | -                               | 2640                            | 0.15       | 0.49        | 231600 | 509520 | 2270.58 | *180                      |

### SUPER FLEX: 8 Strand

| Dia.<br>mm | Dia.<br>Inch | Cir.<br>Inch | Wt. Per<br>220 Mtrs.<br>In Kgs. | Wt. Per<br>200 Mtrs.<br>In Kgs. | Wt. Per<br>220 Mtrs.<br>In Lbs. | Wt. Per<br>200 Mtrs.<br>In Lbs. | Mtr/<br>Kg | Feet/<br>Kg | MBL    |        |         | Maximum<br>Length<br>Mtr. |
|------------|--------------|--------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------|-------------|--------|--------|---------|---------------------------|
|            |              |              |                                 |                                 |                                 |                                 |            |             | Kgf    | Lbs    | KN      |                           |
| 36         | 1-7/16       | 4-1/2        | 132.00                          | 120.00                          | 290.40                          | 264.00                          | 1.67       | 5.47        | 24800  | 54560  | 243     | 300                       |
| 40         | 1-5/8        | 5            | 192.50                          | 175.00                          | 423.50                          | 385.00                          | 1.14       | 3.75        | 34200  | 75240  | 335     | 250                       |
| 44         | 1-3/4        | 5-1/2        | 228.80                          | 208.00                          | 503.36                          | 457.60                          | 0.96       | 3.15        | 40800  | 89760  | 400     | 500                       |
| 48         | 1-15/16      | 6            | 264.00                          | 240.00                          | 580.80                          | 528.00                          | 0.83       | 2.73        | 47400  | 104280 | 465     | 450                       |
| 52         | 2-1/16       | 6.5          | 310.20                          | 282.00                          | 682.44                          | 620.40                          | 0.71       | 2.33        | 55500  | 122100 | 544     | 375                       |
| 56         | 2-1/4        | 7            | 345.40                          | 314.00                          | 759.88                          | 690.80                          | 0.64       | 2.09        | 63200  | 139040 | 620     | 350                       |
| 60         | 2-3/8        | 7.5          | 402.60                          | 366.00                          | 885.72                          | 805.20                          | 0.55       | 1.79        | 72400  | 159280 | 710     | 300                       |
| 64         | 2-1/2        | 8            | 453.20                          | 412.00                          | 997.04                          | 906.40                          | 0.49       | 1.59        | 81600  | 179520 | 800     | 250                       |
| 68         | 2-15/16      | 8.5          | 510.40                          | 464.00                          | 1122.88                         | 1020.80                         | 0.43       | 1.41        | 91800  | 201960 | 900     | 400                       |
| 72         | 2-7/8        | 9            | 567.60                          | 516.00                          | 1248.72                         | 1135.20                         | 0.39       | 1.27        | 102000 | 224400 | 1000    | 350                       |
| 76         | 3            | 9.5          | 622.60                          | 566.00                          | 1369.72                         | 1245.20                         | 0.35       | 1.16        | 112000 | 246400 | 1098    | 350                       |
| 80         | 3-1/4        | 10           | 701.80                          | 638.00                          | 1543.96                         | 1403.60                         | 0.31       | 1.03        | 125000 | 275000 | 1225    | 300                       |
| 88         | 3-15/16      | 11           | 836.00                          | 760.00                          | 1839.20                         | 1672.00                         | 0.26       | 0.86        | 148000 | 325600 | 1451    | 250                       |
| 96         | 3-3/4        | 12           | 983.40                          | 894.00                          | 2163.48                         | 1966.80                         | 0.22       | 0.73        | 174000 | 382800 | 1706    | 240                       |
| 104        | 4-1/2        | 13           | 1155.00                         | 1050.00                         | 2541.00                         | 2310.00                         | 0.19       | 0.62        | 198300 | 436260 | 1944    | 220                       |
| *112       | 1-7/8        | 14           | -                               | 1254.00                         | -                               | 2758.80                         | 0.18       | 0.58        | 230800 | 507760 | 2263    | *180                      |
| *120       | 5            | 15           | -                               | 1120                            | -                               | 2464                            | 0.20       | 0.64        | 263000 | 578600 | 2578.43 | *160                      |
| *112       | 1-7/8        | 14           | -                               | 1026.40                         | -                               | 2258.00                         | 0.17       | 0.55        | 195600 | 430320 | 1917.65 | *180                      |
| *116       | 4-3/4        | 14-1/2       | -                               | 1008.60                         | -                               | 2218.00                         | 0.16       | 0.52        | 207030 | 455466 | 2029.71 | *170                      |
| *120       | 5            | 15           | -                               | 1047.00                         | -                               | 2303.00                         | 0.15       | 0.49        | 224600 | 494120 | 2201.96 | *160                      |

## SUPER FLEX: 3 & 4 Strand

| Dia.<br>mm | Dia.<br>Inch | Cir.<br>inch | Wt. Per<br>220 Mtrs.<br>in Kgs. | Wt. Per<br>200 Mtrs.<br>in Kgs. | Wt. Per<br>220 Mtrs.<br>in Lbs. | Wt. Per<br>200 Mtrs.<br>in Lbs. | Mtr/<br>Kg | Feet/<br>Kg | MBL    |        |         | Maximum<br>Length<br>Mtr. |
|------------|--------------|--------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------|-------------|--------|--------|---------|---------------------------|
|            |              |              |                                 |                                 |                                 |                                 |            |             | Kgf    | Lbs    | KN      |                           |
| 6          | 1/4          | 3/4          | 3.67                            | 3.34                            | 8.07                            | 7.34                            | 59.95      | 196.62      | 770    | 1694   | 7.55    | 500                       |
| 8          | 5/16         | 1            | 6.60                            | 6.00                            | 14.52                           | 13.20                           | 33.33      | 109.33      | 1345   | 2959   | 13.19   | 650                       |
| 10         | 3/8          | 1-1/4        | 10.00                           | 9.09                            | 22.00                           | 20.00                           | 22.00      | 72.16       | 2000   | 4400   | 19.61   | 500                       |
| 12         | 1/2          | 1-1/2        | 14.50                           | 13.18                           | 31.90                           | 29.00                           | 15.17      | 49.77       | 2840   | 6248   | 27.84   | 365                       |
| 14         | 9/16         | 1-3/4        | 20.00                           | 18.18                           | 44.00                           | 40.00                           | 11.00      | 36.08       | 3905   | 8591   | 38.28   | 2000                      |
| 16         | 5/8          | 2            | 25.50                           | 23.18                           | 56.10                           | 51.00                           | 8.63       | 28.30       | 4900   | 10780  | 48.04   | 1550                      |
| 18         | 3/4          | 2-1/4        | 32.50                           | 29.55                           | 71.50                           | 65.00                           | 6.77       | 22.20       | 5500   | 12100  | 53.92   | 1200                      |
| 20         | 13/16        | 2-1/2        | 40.00                           | 36.36                           | 88.00                           | 80.00                           | 5.50       | 18.04       | 7520   | 16544  | 73.73   | 1000                      |
| 22         | 7/8          | 2-3/4        | 48.50                           | 44.09                           | 106.70                          | 97.00                           | 4.54       | 14.88       | 8450   | 18590  | 82.84   | 800                       |
| 24         | 1            | 3            | 57.00                           | 51.82                           | 125.40                          | 144.00                          | 3.86       | 12.66       | 10200  | 22440  | 100.00  | 950                       |
| 26         | 1-1/16       | 3-1/4        | 67.60                           | 61.45                           | 148.72                          | 135.20                          | 3.25       | 10.67       | 11870  | 26114  | 116.37  | 800                       |
| 28         | 1-1/8        | 3-1/2        | 78.00                           | 70.91                           | 171.60                          | 156.00                          | 2.82       | 9.25        | 13540  | 29788  | 132.75  | 700                       |
| 30         | 1-1/4        | 3-3/4        | 90.00                           | 81.82                           | 198.00                          | 180.00                          | 2.44       | 8.02        | 15482  | 34060  | 151.78  | 600                       |
| 32         | 1-5/16       | 4            | 101.00                          | 91.82                           | 222.20                          | 202.00                          | 2.18       | 7.14        | 17425  | 38335  | 170.83  | 550                       |
| 34         | 1-3/8        | 4-1/4        | 115.60                          | 105.09                          | 254.32                          | 231.20                          | 1.90       | 6.24        | 19262  | 42376  | 188.84  | 500                       |
| 36         | 1-7/16       | 4-1/2        | 129.00                          | 117.27                          | 283.80                          | 258.00                          | 1.71       | 5.59        | 21100  | 46420  | 206.86  | 450                       |
| 40         | 1-5/8        | 5            | 158.00                          | 143.64                          | 347.60                          | 316.00                          | 1.39       | 4.57        | 24980  | 54956  | 244.90  | 350                       |
| 44         | 1-3/4        | 5-1/2        | 193.50                          | 175.91                          | 425.70                          | 387.00                          | 1.14       | 3.73        | 30165  | 66363  | 295.74  | 850                       |
| 48         | 1-15/16      | 6            | 229.00                          | 208.18                          | 503.80                          | 458.00                          | 0.96       | 3.15        | 35350  | 77770  | 346.57  | 750                       |
| 52         | 2-1/16       | 6-1/2        | 268.00                          | 243.64                          | 589.60                          | 536.00                          | 0.81       | 2.67        | 43400  | 95480  | 425.49  | 650                       |
| 56         | 2-1/4        | 7            | 312.00                          | 283.64                          | 686.40                          | 624.00                          | 0.71       | 2.31        | 49400  | 108680 | 484.31  | 600                       |
| 60         | 2-3/8        | 7-1/2        | 358.00                          | 325.45                          | 787.60                          | 716.00                          | 0.61       | 2.01        | 56200  | 123640 | 550.98  | 500                       |
| 64         | 2-1/2        | 8            | 407.00                          | 370.00                          | 895.40                          | 814.00                          | 0.54       | 1.77        | 64100  | 141020 | 628.43  | 450                       |
| 68         | 2-15/16      | 8-1/2        | 460.00                          | 418.18                          | 1012.00                         | 920.00                          | 0.48       | 1.57        | 72200  | 158840 | 707.84  | 400                       |
| 70         | 2-3/4        | 8-11/16      | 486.00                          | 441.82                          | 1069.20                         | 972.00                          | 0.45       | 1.48        | 76200  | 167640 | 747.06  | 365                       |
| 72         | 2-7/8        | 9            | 514.00                          | 467.27                          | 1130.80                         | 1028.00                         | 0.43       | 1.40        | 80200  | 176440 | 786.27  | 350                       |
| 76         | 3            | 9-1/2        | 574.00                          | 521.82                          | 1262.80                         | 1148.00                         | 0.38       | 1.26        | 89300  | 196460 | 875.49  | 330                       |
| 80         | 3-5/32       | 10           | 638.00                          | 580.00                          | 1403.60                         | 1276.00                         | 0.34       | 1.13        | 98400  | 216480 | 964.71  | 280                       |
| 84         | 3-1/2        | 10-1/2       | 705.00                          | 640.91                          | 1551.00                         | 1410.00                         | 0.31       | 1.03        | 108300 | 238260 | 1061.76 | 250                       |
| 88         | 3-15/16      | 11           | 772.00                          | 701.82                          | 1698.40                         | 1544.00                         | 0.26       | 0.85        | 118700 | 261140 | 1163.73 | 220                       |
| 96         | 3-3/4        | 12           | 917.00                          | 833.64                          | 2017.40                         | 1834.00                         | 0.24       | 0.79        | 140600 | 309320 | 1378.43 | 200                       |
| 100        | 4            | 12-1/2       | 994.00                          | 903.64                          | 2186.80                         | 1988.00                         | 0.22       | 0.72        | 151200 | 332640 | 1482.35 | 183                       |