

## Akwaflex 8 Strand Polyester/Polypropylene

Akwaflex 8S Ropes are manufactured from a blend of high tenacity monofilament fibres which produce a non-torque high tenacity rope with greater strength and abrasion resistance than polypropylene.

Akwaflex 8S Ropes also offer improved ultraviolet resistance compared to standard polypropylene and will maintain flexibility and strength even when wet. Akwaflex maintains buoyancy and offers the perfect balance between flexibility, durability, and strength.

Akwaflex 8S ropes accommodate a wide range of marine applications.

### Features

- Easy to splice and inspect
- High abrasion and UV resistance
- High elasticity retention over Nylon
- Buoyant line
- Lower weight than polyester and nylon
- Balanced construction
- Floating line ideal for stretchers, mooring lines, and toelines

### Technical Information

Specific gravity	.99*
Melting point	160°C
Critical temp.	90°C
Elongation at break	16.9%
Floats/Sinks	floats
UV resistance	good
Wet abrasion	excellent
Dry abrasion	excellent

\* value based on data supplied by the fibre manufacturer for new, dry fibre

Nominal Diameter		Size Circ.	Approximate Weight	Minimum Tensile Strength Spliced	Minimum Tensile Strength ISO Unspliced
Inch	MM	Inches	Kg/ 100m	Tonnes (Te)	Tonnes (Te)
1"	24	3"	33.2	9.9	11.0
1 1/8"	28	3 1/2"	45	14.4	16.0
1 5/16"	32	4"	58.2	18.0	20.0
1 1/2"	36	4 1/2"	73.6	22.5	25.0
1 5/8"	40	5"	91	28.8	32.0
1 3/4"	44	5 1/2"	109	34.2	38.0
2"	48	6"	130	39.6	44.0
2 1/8"	52	6 1/2"	149	46.8	52.0
2 1/4"	56	7"	178	53.1	59.0
2 5/8"	64	8"	224	68.4	76.0
3"	72	9"	284	85.5	95.0
3 1/4"	80	10"	348	103.5	115.0
3 5/8"	88	11"	418	126.0	140.0
4"	96	12"	500	149.4	166.0
4 1/4"	104	13"	586	171.9	191.0

**Akwaflex Elongation (%)**

