Akwaflex 12 Strand Polyester/Polypropylene

Akwaflex 12S 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. 12 Strand offers higher strength and profile retention over 8 strand constructed ropes.

Akwaflex 12S Ropes 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 12S 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
- Round profile for enhanced abrasion resistance and strength
- Floating line ideal for stretchers, mooring lines, and towlines

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”	33.5	10.8	12.0
1 1/8”	28	3 1/2"	46	15.2	16.9
1 1/4"	30	3 3/4"	58	17.1	19.0
1 9/16”	38	4 3/4"	83	27.6	30.7
1 5/8”	40	5”	91	30.6	34.0
1 3/4"	44	5 1/2"	109	36.0	40.0
2”	48	6”	132	42.3	47.0
2 1/8”	52	6 1/2"	150	48.6	54.0
2 1/4"	56	7”	179	57.6	64.0
2 5/8”	64	8”	226	72.9	81.0
3”	72	9”	284	91.8	102.0
3 1/4"	80	10”	348	111.6	124.0
3 5/8”	88	11”	420	133.2	148.0
4”	96	12”	500	157.5	175.0
4 1/4"	104	13”	582	181.8	202.0
4 5/8”	112	14”	673	209.7	233.0
5”	120	15”	775	239.4	266.0

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