

Roblon ABC-Tape

The Composite tape is typically used for 'anti-bird caging' on flexible risers and anti-extrusion tape on composite pipes.

The composite tape is the optimal solution for heavy-duty applications, where high longitudinal strength is required.

Key features

- Made from high-performance fibers and thermoplastic matrix material
- The fibers are protected by a jacket, ensuring a longer life time of the fibers compared to woven tape
- The tape is non-adhesive
- Unidirectional fibers
- Available in standard and high temperature version
- Test certificate supplied with each batch
- In-house test facilities available
- Lengths according to customer requirements

Latest
digital version



Roblon

Technical data

Standard ABC-tape (Type ST)

Width ± 0.76 mm	Thickness + 0.2 - 0.1	Density (Average)	Minimum breaking strength	Tensile stress at break	Weight per meter ± 10%	Runnage ± 10%	Elongation at 50% of MBL	Abrasion resistance	Temperature range	PH-value
60 mm	1.2 mm	0.97	45 kN	613 N/mm ²	67 g	14.9 m/kg	< 1.5%	To be confirmed	From -20° C to +70° C	neutral
100 mm	1.2 mm	0.97	75 kN	625 N/mm ²	118 g	8.5 m/kg				
150 mm	1.2 mm	0.97	110 kN*	611 N/mm ² *	177 g*	5.6 m/kg*				
60 mm	1.2 mm	0.97	23 kN	313 N/mm ²	65 g	15.4 m/kg	< 1.5%	To be confirmed	From -20° C to +70° C	neutral
100 mm	1.2 mm	0.97	37 kN	308 N/mm ²	118 g	8.5 m/kg				
150 mm	1.2 mm	0.97	54 kN*	300 N/mm ² *	177 g*	5.6 m/kg*				

High-temperature ABC-tape (Type HT)

Width ± 0.76 mm	Thickness + 0.2 - 0.1	Density (Average)	Minimum breaking strength	Tensile stress at break	Weight per meter ± 10%	Runnage ± 10%	Elongation at 50% of MBL	Abrasion resistance	Temperature range	PH-value
60 mm	1.2 mm	0.97	50 kN	680 N/mm ²	67 g	14.3 m/kg	< 2.0%	To be confirmed	From -20° C to +90° C	> 4.0
100 mm	1.2 mm	0.97	85 kN	708 N/mm ²	116 g	8.6 m/kg				
150 mm	1.2 mm	0.97	125 kN*	695 N/mm ² *	177 g*	5.6 m/kg*				
60 mm	1.2 mm	0.97	25 kN*	340 N/mm ² *	67 g*	14.3 m/kg*	< 2.0%	To be confirmed	From -20° C to +90° C	> 4.0
100 mm	1.2 mm	0.97	42 kN*	350 N/mm ² *	116 g*	8.6 m/kg*				
150 mm	1.2 mm	0.97	63 kN*	350 N/mm ² *	177 g*	5.6 m/kg*				

* Preliminary values

Other versions and dimensions available upon request

Handling and storage



Storage conditions: Stored at max. 40° C
No UV irradiation

Shelf life: Minimum 5 years from date of manufacture