

Roblon – Experts in Reinforced Composite Tapes for RTP Applications

Roblon, headquartered in Denmark since the 1950s, has established itself as a leading supplier of advanced fiber solutions for a wide range of industries and applications. In particular, Roblon is recognized for its expertise in reinforced composite tapes for deepwater oil and gas applications, characterized by comprehensive in-house testing and thorough technical documentation of product performance.

Roblon RTP tapes

In recent years, Roblon has developed a dedicated portfolio of tapes for reinforced thermoplastic pipes (RTPs).

Roblon has established a broad supplier network within aramid fibers and possesses extensive experience in processing various matrix materials such as polypropylene (PP) and polyethylene (PE). This flexibility provides customers with significant freedom in selecting aramid fiber and matrix combinations, allowing material choices to be tailored to requirements for mechanical properties and temperature resistance.

Example of a Roblon RTP tape

The design and properties of each tape are always customized to meet the specific requirements of the customer. An example from our product portfolio is as follows:

Width	Thickness	Minimum Breaking Strength	Elongation at break
100 mm +/- 1 mm	2 mm +/- 0,2 mm	Min 140 kN	Min 2,0%

Documentation and Quality Assurance

A key factor in the development and production of high-quality RTP tapes and pipes is the optimal utilization of individual fiber properties and ensuring that all fibers in the tape have identical length and alignment. Achieving this on a commercial scale requires meticulous attention to detail, the right equipment, and highly skilled personnel.

To meet the demands for documentation of both physical and chemical properties - also in the long term and under varying environmental conditions - Roblon has established a state-of-the-art mechanical, chemical, and analytical laboratory. A comprehensive documentation package can be supplied together with the products.

