

oerlikon

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Manmade Fibers Segment

Exploring the world



When daring adventurers or scientists go on trips to explore remote areas of the world such as the Chukotsky District, Russia, just south of the Arctic Circle, their survival depends heavily on high-performing outdoor equipment. In winter, temperatures fall below -20°C , and winds are harsh. This is why these explorers need functional wear that reliably protects them against the forbidding environment. A variety of fully stretched and textured synthetic quality yarns serves as the basic material for such suits. While efficiently protecting against the cold, such yarns are at the same time elastic, very robust, breathable and dry extremely quickly when they get wet. Yarns for such high-performance textiles are produced using the groundbreaking Winding INtegrated Godet Solution (WINGS) from Oerlikon Barmag. Outdoor enthusiasts all over the world wear functional clothing made from these tailored manmade fibers. Like a second skin to improve performance and quality of life.



The highly efficient WINGS POY winders need up to 35 % less space and require 15 – 20 % less human labor.