oerlikon barmag

Manmade Fibers

Press Release

Polyamide microfiber yarns

EvoQuench now also for polyamide 6 processing

Remscheid, Shanghai, October 21, 2016 – the EvoQuench radial quenching system – the core component within the polyester microfiber spinning process – has expanded its process window: EvoQuench is now also newly available for polyamide processing.

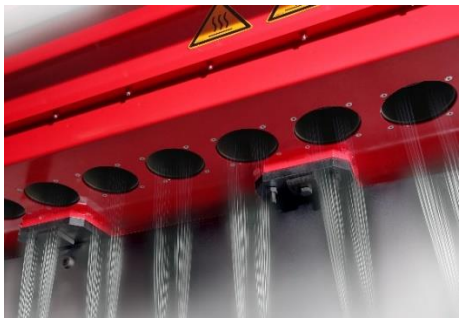
With this development, Oerlikon Barmag is the first-ever supplier of systems for high-quality polyamide 6 microfilament titers both for the POY and the FDY processes. Attempts to date by yarn manufacturers to produce polyamide 6 microfiber yarns using cross-flow quenching systems have not resulted in the quality demanded by the market. With this new quenching concept, yarns can now be manufactured whose diverse applications – for example, in one pant products, hosiery and outdoor fabrics – create lucrative new sales markets for polyamide 6 customers, displacing other yarns types in these markets in the process.

Spin-dyeing with EvoQuench

The EvoQuench is also available for the polyester POY or FDY spin-dyeing process. Here, the particular focus lies on the long, stable duration of use for the sieves installed in the EvoQuench. This ensures a highly-consistent yarn quality over long production periods and makes a considerable contribution to reducing downtimes and consumption costs. To this end, spin-dyeing polyester POY and FDY microfilament yarns is now possible and efficient under practicable marginal conditions when using the EvoQuench radial quenching system. This strengthens the general trend towards spun-dyed products by opening a further process window.

Microfilament yarns are yarns with a filament fineness < 1 dtex, while those with individual filaments < 0.5 dtex are described as super-microfilament yarns. Conventional melt spinning processes can currently be used to reliably and simultaneously economically manufacture filaments with a fineness of up to 0.3 dtex.

279 words



Core component of the microfiber spinning plant: the EvoQuench radial quenching system.

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About Oerlikon

Oerlikon (SIX: OERL) is a leading global technology Group, with a clear strategy of becoming a global powerhouse in surface solutions, advanced materials and materials processing. The Group is committed to investing in value-bringing technologies that provide customers with lighter, more durable materials that are able to increase performance, improve efficiency and reduce the use of scarce resources. A Swiss company with over 100 years of tradition, Oerlikon has a global footprint of over 13 500 employees at more than 170 locations in 37 countries and sales of CHF 2.7 billion in 2015. The company invested CHF 103 million in R&D in 2015 and has over 1 350 specialists developing innovative and customer-oriented products and services.

For further information: www.oerlikon.com

About the Oerlikon Manmade Fibers segment

With its Oerlikon Barmag and Oerlikon Neumag brands, Oerlikon Manmade Fibers segment is the world market leader for manmade fiber filament spinning systems, texturing machines, BCF systems, staple fiber systems, nonwovens and artificial turf systems and – as a service provider – offers engineering solutions for the entire textile value added chain. As a future oriented company, the research and development at this division of the Oerlikon Group is driven by energy-efficiency and sustainable technologies. With the expansion of the product range to include polycondensation systems and their key components, the company now caters to the entire process – from the monomer all the way through to the textured yarn. The primary Oerlikon Barmag markets are in Asia, and – for Oerlikon Neumag – in the USA, Turkey and China. Correspondingly, Oerlikon Barmag and Oerlikon Neumag – with just under 2,500 employees – has a worldwide presence in 120 countries as part of the Oerlikon Manmade Fibers network of production, sales and distribution and service organizations. At the R&D centers in Remscheid, Neumünster and Chemnitz, highly-qualified engineers and technicians develop innovative and technologically-leading products for tomorrow’s world.

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