Press Release

Filamentspinning

Spun-dyed polyester microfiber yarns with EvoQuench

Remscheid, Milan, November 12-19, 2015 – In the field of spun-dyed filament yarns, Oerlikon Barmag succeeds another quantum leap: The market leader in filament spinning systems construction now also offers solutions for the efficient production of spun-dyed polyester POY and FDY microfiber yarns under practicable marginal conditions when using the EvoQuench radial quenching systems.

In the case of spin-dyeing polyester POY or FDY using the EvoQuench system, 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.

The dyes deployed in spin-dyeing are – with the exception of black – generally azoic dyes or organometallic complexes. These aromatic-based molecule systems can, in part, decompose at the high melt temperatures and evaporate directly underneath the spinneret. While this evaporation does not result in lower durability and evenness when using a cross-flow quenching system, increased contamination of the sieves of the EvoQuench could well result in lowering their service life and the evenness of the yarn.

For this reason, the special design for spun-dyed yarn protects the sieves against contamination caused by evaporating dye particles. Important design criteria was easy and fast cleaning during the routine pack wipe cycles.

The unbroken trend towards spun-dyed yarns has numerous good reasons: The most important benefits of spin-dyeing lie in the evenness of the dyeing results and in the ecologically considerably cleaner process.

249 words

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About Oerlikon
Oerlikon (SIX: OERL) is a leading global technology Group, focusing on providing market-leading technologies and services for surface solutions, manmade fibers manufacturing, drive systems and vacuum pumps and components in growth markets. These cutting-edge technologies benefit customers by improving their product performance, productivity, efficient use of energy and resources, and

also by contributing to a more sustainable environment. A Swiss company with over 100 years of tradition, Oerlikon has a global footprint of over 15 500 employees at more than 200 locations in 36 countries and sales of CHF 3.2 billion in 2014. The company invested CHF 121 million in R&D in 2014 and has over 1 300 specialists developing innovative and customer-oriented products and services.

For further information www.oerlikon.com

About Oerlikon Manmade Fibers Segment
Oerlikon Manmade Fibers Segment with the product brands Oerlikon Barmag and Oerlikon Neumag is the world market leader for filament spinning systems used for manufacturing manmade fibers, texturing ma-chines, BCF systems, staple fiber spinning systems and artificial turf systems and – as an engineering services provider – offers solutions along the entire textile value added chain. As a future oriented company, the Oerlikon Group segment's research and development 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, with Oerlikon Neumag's main markets in the US, Turkey and China. Correspondingly, the companies – with almost 2 500 employees – have 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.

For further information: www.oerlikon.com/manmade-fibers