Regenerated Cellulosic Fibers

TENCEL™ Lyocell HV100: Embracing Nature's Raw Beauty with Sustainable Innovation



The textile industry has always drawn inspiration from nature, where irregularities and imperfections create beauty and uniqueness. In line with this philosophy, the **Lenzing Group** has unveiled its latest breakthrough – **TENCEL™ Lyocell HV100**, a fiber designed to bring the charm of natural textures into the modern textile world.

What sets HV100 apart is its **controlled variation in fiber length**, ranging from 10–28 mm. This deliberate irregularity produces fabrics with an authentic, raw aesthetic – a quality that has long been associated with natural fibers. For the first time, such a tactile, textured character enters the **TENCEL™ Lyocell portfolio**, opening creative opportunities for mills and brands worldwide.

While the fashion industry constantly seeks fresh design possibilities, sustainability remains non-negotiable. HV100 delivers both. Produced using Lenzing's **closed-loop process**, the fiber ensures at least 50% lower water consumption and carbon emissions compared to generic lyocell, while maintaining biodegradability and compostability. In this way, HV100 merges **responsibility with innovation**, addressing the industry's growing demand for eco-conscious materials that still empower creativity.

The fiber's **matte finish and opaque look** provide further design versatility, particularly in denim, where authenticity and structure matter most. Beyond denim, trials in woven apparel and home textiles have already revealed new possibilities for blending and fabric construction. Manufacturers can fine-tune hand feel and texture by mixing HV100 with standard TENCEL™ Lyocell fibers or cotton, unlocking a wide spectrum of applications.

Industry leaders at Lenzing emphasize that HV100 marks a turning point. It not only bridges the gap between sustainability and aesthetics but also paves the way for innovative partnerships across the textile value chain. By showcasing HV100 at **Kingpins Amsterdam**, Lenzing reinforces its role as a catalyst for change – empowering brands, mills, and designers to embrace **natural imperfection as a new form of perfection**.

With HV100, Lenzing demonstrates that sustainability and creativity are no longer parallel goals, but complementary forces shaping the future of textiles.