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Birla Cellulose's Grasim Vilayat site achieves the EU BAT compliances



Grasim Vilayat plant

Birla Cellulose's Grasim Cellulosic Division, Vilayat, India has successfully commissioned the Carbon-disulphide Adsorption Plant (CAP) and has achieved the stringent level of sulphur-to-air emission norms stipulated in the EU BAT references (EU Best Available Technologies BREFs) for the viscose manufacturing process.

This initiative is in line with Birla Cellulose's aim to apply the best available technologies (EU BAT) at all of its fibre locations and investments of \$170 million are in progress in order to achieve this by the end of 2022.

"Adapting the best available technologies is an important milestone towards achieving global leadership in sustainable practices in the MMCF industry", informed H.K. Agrawal, Chief Operating Officer of Birla Cellulose. "We are investing in innovation to continually improve our performance", he added. Birla Cellulose has already achieved Carbon Neutrality in Scope 1 & 2 emissions by sequestration of carbon in its managed forests.

Birla Cellulose is also ranked #1 in Canopy's Hot Button Report for its sustainable forestry practices and innovations in NextGen solutions. Birla Cellulose has also established the global benchmark for lowest water intensity in the viscose manufacturing. Grasim Vilayat has installed state-of-the-art closed-loop technologies to recover and recycle CS 2, which is the key raw material for viscose manufacturing process.

With these technologies, the site is able to significantly reduce its emissions and achieve 90-95% recovery in terms of sulphur and recycle it back to the process. In addition to this, the site also meets all other EU BAT parameters. This was confirmed by an audit conducted by Sustainable Textile Solutions, UK (STS) recently. The site also meets the ZDHC MMCF responsible viscose production standards.

Vilayat is one of Birla Cellulose's flagship sites and post the ongoing expansion, it will be the world's largest MMCF manufacturing site. The Vilayat will supply eco-enhanced fibres, Livaeco by Birla Cellulose™ (Viscose & Modal variants) to sustainability conscious Brands globally. Livaeco by Birla Cellulose TM range of products comes with outstanding sustainability credentials such as EU BAT norms, FSC® certification, low water and energy consumption and complete supply chain traceability from forest-to-fashion using GreenTrack™ platform.

Applied DNA Sciences & A&E introduce anti-counterfeiting technology for sustainable sewing threads

Applied DNA Sciences, Inc. a leader in Polymerase Chain Reaction (PCR)-based DNA manufacturing, and American & Efird, (A&E), the world's foremost thread manufacturer, announced the A&E's INTEGRITY™ advanced identification thread technology is available for its ECO100 recycled sewing thread line.

Utilizing Applied DNA Sciences' CertainT® molecular-based technology, A&E's introduction of INTEGRITY™ ECO100, a sustainable and secure thread, provides an innovative and economical solution for brands to authenticate and validate their products anywhere within the supply chain by way of a common component – sewing thread.

A&E's INTEGRITY ECO100 identification thread line is produced with 100% recycled fiber and combines the technology of Applied DNA Sciences' proprietary CertainT® with Beacon® platform. This innovation can authenticate a brand's products and components by using the Beacon technology for a quick, in-the-field optical verification and, when needed, by using a portable qPCR test for a forensic analysis of the molecular tag.

"INTEGRITY thread protects the brand, as well as supply chains, at a time when security and sustainability are extremely important. We are helping to ensure that customers can meet their supply chain traceability and sustainability goals," said Wayne Buchen, Vice President, Strategic Sales, Applied DNA Sciences.



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