

THAI ACRYLIC FIBRE LAUNCHES PCM FIBRE WITH OUTLAST, USA

Producer of phase change materials (PCM) Outlast Technologies and fibre manufacturer Thai Acrylic Fibre have developed a new generation of a PCM acrylic fibre with Outlast technology.

“This new fibre provides four times the performance and offers perfect climate comfort for apparel and home textiles,” a press release from Outlast informed. “A new production process has allowed the Outlast acrylic fibre to perform four times better than the existing version,” it added. “We are using now a non-encapsulated PPCM system and we no longer work with encapsulated MPCMs here,” Martin Bentz, president of Outlast Technologies said. “This change allowed us to improve the performance of the new Outlast acrylic fibres enormously, helping enhance spinning and dyeing properties,” he too added. “This especially plays a positive role for dark colours, as darker tones are easier to achieve now through a better colour absorbance,” Bentz informed.

The new Outlast acrylic fibre also blends very well with wool and is suited for use in socks, knitwear like pullovers and blankets in home textiles, offering significant added value of dynamic heat and moisture management. According to the company, Outlast acrylic fibres absorb excess body heat, store and release it and fibres regulate the climate proactively, in contrast with other technologies that only wick away humidity. Outlast technology proactively manages heat while controlling the production of moisture before it begins, so less humidity is produced inside the apparel.

“This Outlast difference also results in more comfort as well as improved hygiene, which is important especially when it comes to socks,” it explained. Outlast technology was originally developed for NASA to protect astronauts from temperature fluctuations in space. Outlast technology is comparable to ice in a drink; as it changes from solid to liquid, it absorbs heat and cools the drink, keeping that drink at the desired temperature for a longer period of time.

In the same way, PCMs have the capacity to absorb, store and release excess heat and gives any product containing Outlast technology the ability to continually regulate the skin’s microclimate.

As the skin gets hot, the heat is absorbed, and as it cools, that heat is released as Outlast technology is not wicking technology, which manages moisture by reacting to your sweat and pulling it away from the skin. (AR).