



**yarnexpo**

**28 – 30 March 2023**

Hall 8.2

National Exhibition and Convention Center  
(Shanghai), China



Everest Textile, with its headquarters in Taiwan publicly listed since April 1995, is a leading sustainable enterprise and all of its products and processes are certified by the Swiss bluesign organization. It is a vertically integrated textile manufacturer in Taiwan which specializes in yarn texturizing, weaving, knitting, dyeing, post-finishing, and garment production.

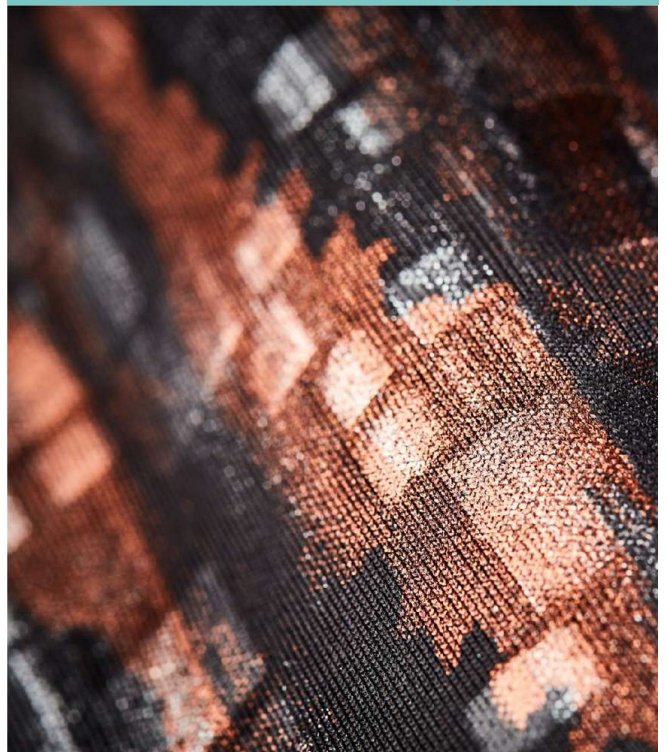
In light of the green opportunities in environmental protection and outdoor markets, Everest Textile continues to develop fusion innovation - fashion and functional fabrics based on bio-based materials and becomes an indispensable, long-term partner with international and outdoor sports brand customers.

To date, Everest Textile owns more than 300 business partners in the world and has very close relationship with Nike, Decathlon, Lululemon, The North Face, GAP, POLO, and Patagonia.

**Everest Textile Co Ltd**  
**AT YARN EXPO SPRING 2023**

[www.everest.com.tw](http://www.everest.com.tw)

Being Asia's comprehensive yarn & fibre business platform, Yarn Expo Spring 2022 welcomes **Everest Textile Co Ltd** from **Taiwan China** to showcase their **textured yarn** at the fair.

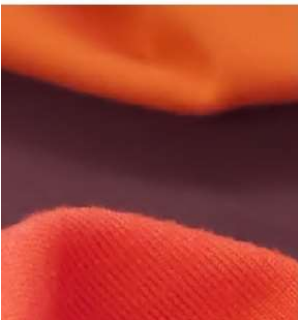




Eco-Friendly



Mechanical Stretch



## FENC® TopGreen® Bio3-PET Low Carbon Polyester powered by LanzaTech

By recycling carbon industrial off gas, 30% of bio ethylene glycol content from can be extracted from waste gas to further convert into Bio3-PET that is favorable for spinning into textile. The reduction of carbon emissions provides a sustainable and eco-friendly alternative to petro-based polyester, once again realizing Everest's proactive endeavors to tackle greenhouse effect and food crisis to achieve sustainability goals.

### PA56

PA56 is obtained from renewable resources such as corn, wheat, etc., by microbial preparation of 1,5-pentanediamine, and then polymerized with adipic acid. The properties are similar to PA6 and PA66, and can be used in textiles, engineering plastics and other fields. In terms of environmental impact, it can replace some petroleum-based polyamide fiber products.

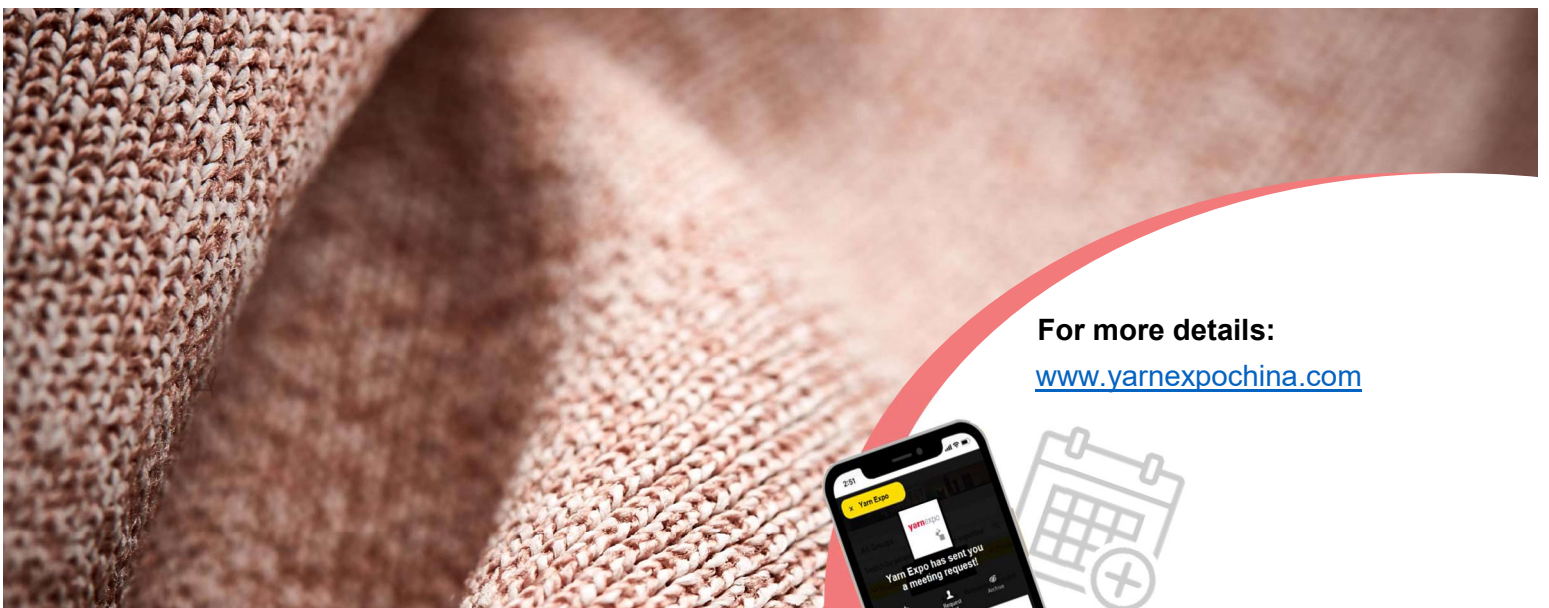
**Physical properties:** The density of bio-based PA56 is generally 1.12~1.14 g/cm<sup>3</sup>, and it has good mechanical properties. Hydrogen bonds can be formed between the segment units in the fiber, and it has a breaking strength similar to that of PA6. When the draw ratio of bio-based PA56 filaments with different viscosities is 3~3.5, the breaking strength and initial modulus increase continuously with the increase of the draw ratio; there are hydrophilic amide groups in the fibers, which endow the fibers with a certain hygroscopicity, It is not easy to generate static electricity and has a soft feel; the saturated water absorption rate of bio-based PA56 is 14%, which is higher than that of PA6 and PA66, so it is more comfortable in wearing.

By special raw material and Everest's unique texturing technology, via the fabric designs, dyeing and finishing process to give the natural pattern, soft hand feel and comfortable stretch.

The stretchiness offers agility and efficiency for body movements, reducing energy loss of muscles during physical activities. The fabric stretches according to your movements, keeping up with your pace while offering the upmost protection to your skin, helping you push boundaries.

Base on the Differential Texturing Process, we compound spandex and special DTY become Air Covering Yarn. Which is one of the most competitive products of Everest.

Using Pattern-roller or Hot-Pin to design and produce uneven drawing, so after dyeing can show random darker and lighter stripes on the fabric.



For more details:

[www.yarnexpochna.com](http://www.yarnexpochna.com)

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