

S.Café® Coffee Yarn

S.Café® AIRMEM™ Coffee Membrane

Bring 99.8% of the coffee back



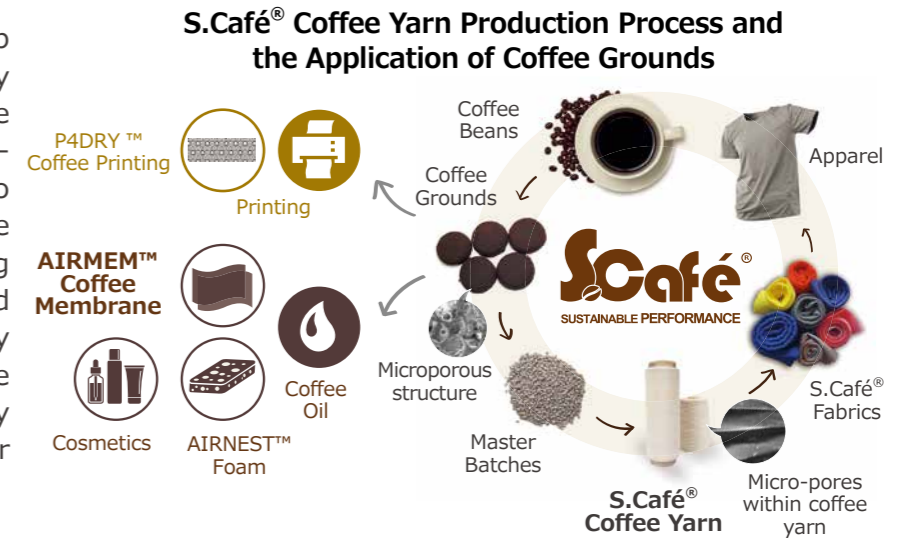
About Singtex

Singtex Industrial Co., Ltd., established in 1989, is a leading company that produces eco-friendly functional textiles. Singtex launched a variety of world-class patented fabric, including moisture-absorbing breathable fabric, single-layer-woven fleece fabric, etc. In 2008, Singtex received numerous global invention awards with the development of S.Café® Coffee Yarn, which was created by combing coffee grounds with recycled PET bottle.

Singtex sees quality and R&D capabilities as their core foundation, thus built up product differentiation. Not only is Singtex recognized for receiving the 25th National Quality Awards, but also built up long-term collaboration with international outdoor apparel and sports brands. Singtex will continue to develop products that fulfill eco-friendly sustainable concept, leading the world with new green fashion trend.

Product Overview

Singtex took 4 years to develop the S.Café® technology. Not only the technology transforms coffee grounds into raw material of eco-friendly functional yarn, but also extracts coffee oil from coffee grounds via patented manufacturing process, which is then produced into products such as eco-friendly water-proof breathable membrane or foam. It is truly a technology that applies the concept of circular economy onto textile sector.



S.Café® Coffee Yarn

Coffee is the second most consumed beverage globally. On average, merely 0.2% of coffee bean essence is extracted per cup of coffee, while the remaining 99.8% of coffee grounds are discarded. Bearing in mind there is no "absolute waste", Singtex led the world with its S.Café® Coffee Yarn technology in 2008. Due to coffee grounds pores, it has excellent properties such as odor control, quick dry, and UV protection. The coffee grounds after undergoing Singtex's patented technologies, are transformed into new material added to the yarn. The spirit of circular economy is clearly implemented, due to the 100% reusable technology, sustainable value of S.Café®.



Odor Control

The microporous structure of coffee yarn could absorb odor, which is then released by sunlight or washing. The odor control properties are timeless.



Moisture Absorbing & Fast Drying

S.Café® technology accelerates the drying process by quickly spreading and absorbing the moisture across the S.Café® garments' surfaces.



UV Protection

The coffee grounds create natural pores on the yarn surface that reflects UV rays, creating natural protection from the sun.



Cool Touch

ICE-Café™ yarn is an extended product from S.Café® technology; when compared with normal fabric, it could lower the skin temperature 1~2°C and maintain the body cool and comfortable.

S.Café® AIRMEM™ Coffee Membrane

Singtex invested large amount of R&D expenses yearly, thus attained leading innovative technology. Besides Coffee Yarn, Singtex also extract 26% of coffee oil from coffee grounds to developed S.Café® AIRMEM™ Coffee Membrane that belongs to non-edible bio-based membrane material. S.Café® AIRMEM™ has waterproof, wind proof, and breathable properties, and is suitable for applying to hiking jacket. The goods not only received approval as a USDA Certified Biobased Product, but also received awards of the ISPO Textrends 2021/22 SELECTION.



Environmentally Friendly

AIRMEM™ products lightens the heavy burdens of the earth by reclaiming its resources using recycled coffee grounds as bio based materials.



Windproof

Block the wind completely, while keeping soft and light texture.



Waterproof

Fabrics with AIRMEM™ membrane embedded with waterproof function, keeping the body dry.



Breathable

Directs heat and moisture to dissipate from the body, making the skin feel fresh and comfortable.

