

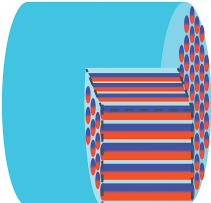
Ultra-fine, micro-crimped polyester textile

senbism™ UF

Senbism™ UF is a new type of textile comprised of newly developed sea-island composite fibers, in which island components are bonded using two types of resin. The material is made of ultra-fine fibers with a minute spiral structure for a fresh and unique feel, combining a textured and smooth surface, mild glossy shine, and soft shape-retaining properties.

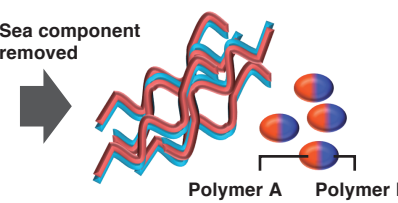
senbism™ UF ultra-fine crimp

Sea-island composite fibers



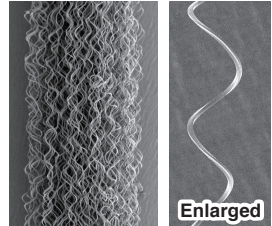
Ultra-fine crimp following removal of sea component

senbism™ UF



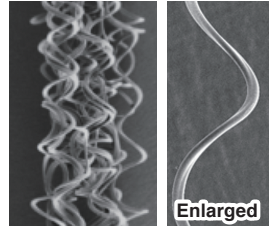
Polymer A Polymer B

senbism™ UF (development)

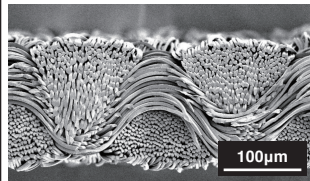
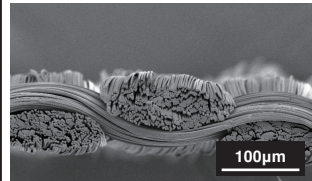
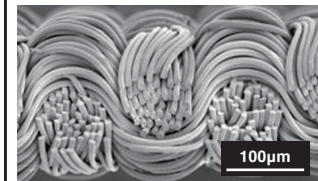


Enlarged

Typical bi-component fiber (comparison)

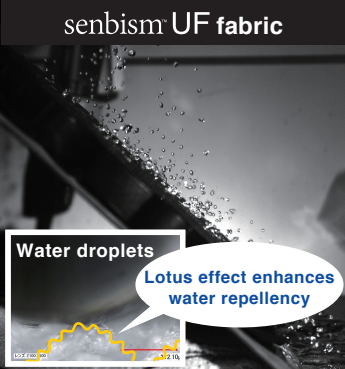


Enlarged

	senbism™ UF (development)	Typical ultra-fine thread (comparison)	Typical bi-component fiber (comparison)
Fabric cross-sectional photo	 100µm	 100µm	 100µm
Surface smoothness	◎	○	△
Softness	○	◎	△
Mild, glossy shine	◎	△	○

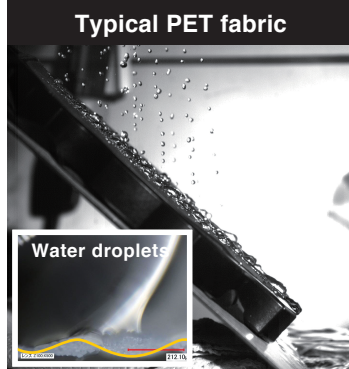
Water repellency *Non-fluorinated

senbism™ UF fabric



Water droplets
Lotus effect enhances water repellency

Typical PET fabric



Water droplets

Material Properties

- Textured and smooth surface
- Flexible feel
- Mild and glossy shine
- Moderate elasticity
- Soft shape-retaining properties

