

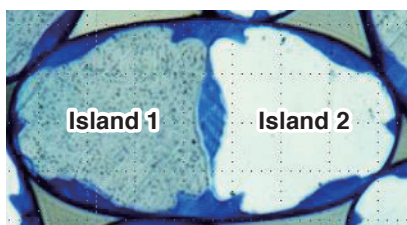
A new material that combines luxurious luster and airiness

# senbism™ KN

Senbism™ KN is a new material with a silky feel created through a rigorous pursuit of the structure and performance of natural silk combined with our latest underlying NANODESIGN™ technology, incorporating years of research and technological development.

## Technical Information

### New Thread Cross Section



Two island polymer components with different heat-shrinkage properties are surrounded by an easily soluble polymer to reproduce the cross section of natural silk threads.

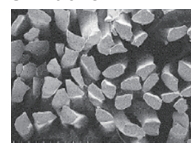
The two island components have fine slits at the tips of the three-petaled cross section.

### Reference: Natural silk

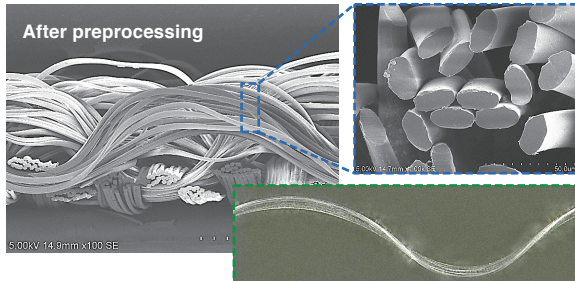
Cross section of silk thread



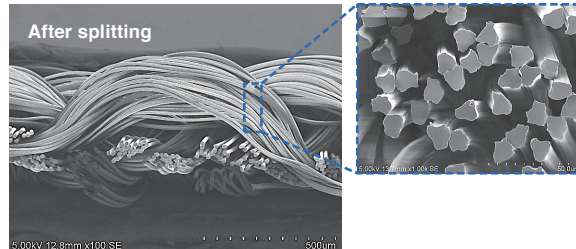
Cross section of silk fabric



### Fabric Cross Section



Island components are split



The differences in heat shrinkage give the flat threads a twisted structure.

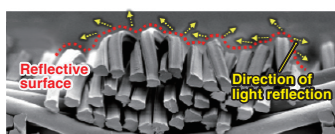
This form fine gaps of air between the fibers like with silk.

## Product Characteristics

### Glossy Feel and Elegant Sheen

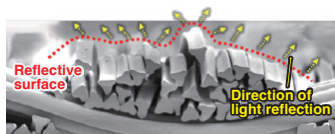
The three-pointed cross-sectional structure of the threads creates gaps of air between the fibers when twisted, while the fine slits in the cross section help disperse the reflection of light on the surface.

New material:  
senbism™ KN fabric



Dispersal of light reflection on the fine gaps and the thread cross section

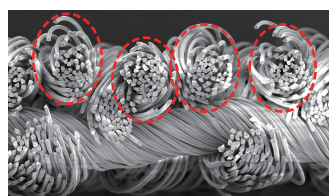
Comparison:  
Conventional polyester fabric



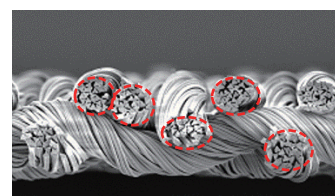
The modified cross section creates a stronger luster on the reflective surface

### Bulky and Lightweight

New material:  
senbism™ KN fabric



Comparison:  
Conventional polyester fabric



Warp cross section comparison: Bulky and lightweight due to minute gaps of air between the fibers.

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