

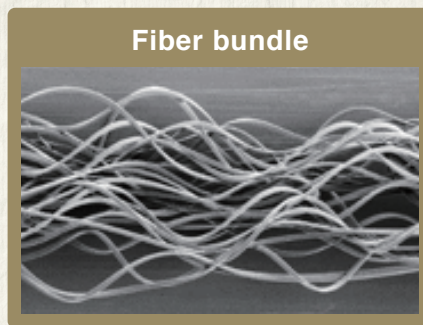
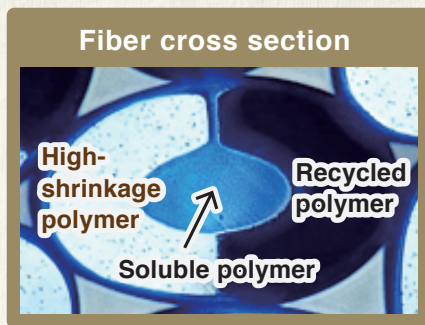
senbism™ CM



A new textile which combines the warmth of traditional Japanese paper and the functionality of synthetic fiber.

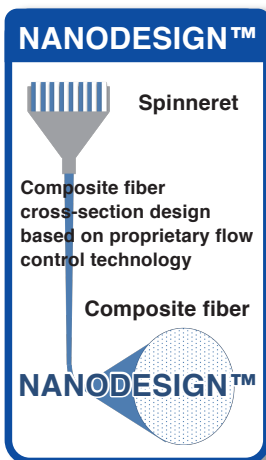
Senbism™ CM not only has the warmth of traditional Japanese paper but also has a softness and a dry touch which derives from synthetic fiber.

We employed NANODESIGN™, its conjugate spinning technology, to develop a flat C cross-sectional shape that delivers a precise arrangement of three different polymers. It leads to express the natural and random unevenness texture. This new textile can express unique texture and functionality that has never been expressed before.



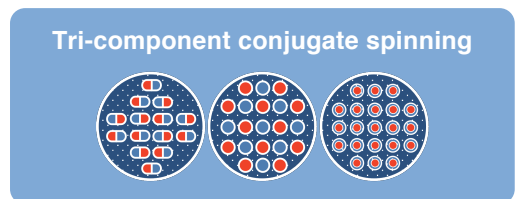
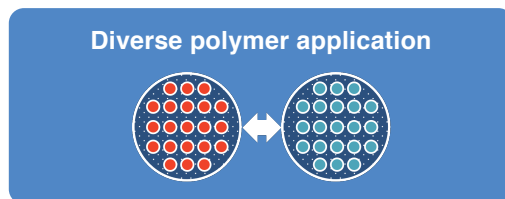
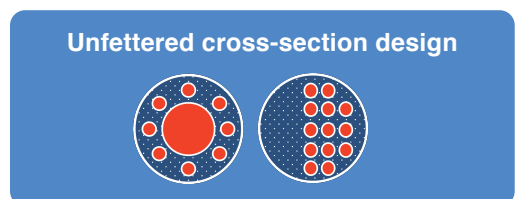
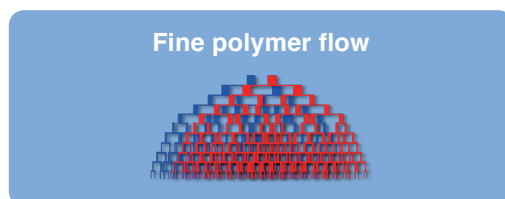
*Arrangement of polymers with different heat shrinkage properties in special shapes on left and right of a flat cross section, with placement and shape varying according to adjacent fibers. Single yarns twist in various directions to deliver random unevenness of hand-made Japanese paper, with moderate resilience and fluctuating look.

*Flat C cross-sectional shape keeps functional agent within hollow structure for advanced functionality.



Design fiber cross-section with nano-scale

NANODESIGN™



About NANODESIGN™

NANODESIGN™ is an innovative conjugate spinning technology developed by Toray Industries, Inc. (Toray). Nano-level control of the fineness and shape of the synthetic fibers enables functions, aesthetics and textures never seen before. With this technology, Toray will create textile products That will change the world.