

Microsilk



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MATERIALS LIBRARY

Bolt Threads' Engineered Silk is biofabricated by mimicking the DNA in Spider Silk. They develop proteins inspired by the DNA (no spiders are actually involved) and put them inside of yeast.

The yeast produce silk protein in a liquid form during fermentation—very much like the beer-making process. After some processing, the liquid silk protein can be turned into fiber through wet-spinning, which is the same way fibers like acrylic and rayon are made.



CATEGORY	MANUFACTURER
Textile, Yeast	Bolt Threads

MATERIAL COMPOSITION*

Sugar, Water, Salts, Yeast

**as reported by the manufacturer*

AVAILABLE SIZING

N/A

CERTIFICATIONS & DISCLOSURES

- Health Product Declaration (HPD)
- Declare Label
- Environmental Product Declaration (EPD)
- Safety Data Sheet (SDS)
- USDA Certified Biobased Product Label
- Other

LAST UPDATED

September 18, 2019