Q: How is elastane made?

A: QUICK ANSWER
Better known as spandex, elastane is a type of synthetic fiber made from at least 85 percent polyurethane polymers. The exact method used to make Lycra, Dorlastan, Elaspan, Acepora and other brands of elastane fabric is a closely guarded secret.

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Elastane was first invented at DuPont chemical company in 1958 by a chemist named Joseph Shivers. In 1962 DuPont introduced the fabric under the name Lycra, where it immediately became popular for a wide variety of clothing. Swimwear often contains as much as 60 percent elastane fibers, but most types of clothing only use a small fraction of elastane mixed with other fibers. Jeans and other items sometimes contain as little as 2 percent elastane to make them slightly stretchy.

Elastane has many beneficial properties not found in nature. It is extremely strong and elastic, capable of stretching up to five times its length. In addition the fabric always returns back to its original shape and size after stretching. The elasticity of the fabric makes it quite comfortable and easy to move in, which is why it is used in a large amount of sportswear. In addition to clothing, small amounts of elastane fibers are also used in some cosmetics and other applications.

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Sources: rsc.org  en.wikipedia.org

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How is elastane made?

Finding a product’s manufacturing information varies depending upon the type of product. If you have the product’s box or original labels, you should be able to find the manufacturing information.

Q: What is Kanekalon made of?

A: Kanekalon, a lighter and softer hair used globally for synthetic wigs and extensions, consists of a type of synthetic fiber known as modacrylic fiber. These fibers are durable and lightweight.

Q: What types of rubber are good for making concrete molds?

A: The best type of rubber for making concrete molds is polyurethane rubber. Other rubbers, such as polysulfide and silicone, are too fragile to handle the st

Q: What is PU material?

A: A polyurethane material, or PU material for short, is a type of versatile plastic. The three types of PU materials are flexible foams, rigid foams and elas...

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