

Duracotton Bio® is a sewing and embroidery thread made from 100% long-staple organic cotton. Produced from cotton grown in accordance with organic farming principles, this special thread stands out with its natural structure, biodegradability, and GOTS (Global Organic Textile Standard) certification. Its long-staple structure provides high durability, while its soft texture ensures comfortable use across various textile applications.

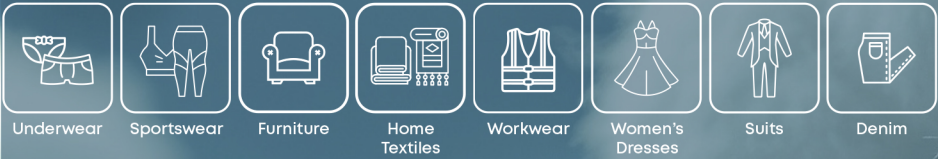
- Made from 100% long-staple organic cotton.
- GOTS (Global Organic Textile Standard) certified.
- Made from organic cotton grown in accordance with organic farming principles, without the use of synthetic pesticides, herbicides, or genetically modified organisms (GMOs).
- Its natural and biodegradable structure makes it an environmentally friendly choice.
- Its long-staple structure provides high durability and a long service life.
- Its soft texture ensures comfortable use.

Organic Cotton Sewing and Embroidery Thread

Duracotton Bio®

DURAK





FASTNESS		
Washing Fastness	ISO 105-C06	Min.:4
Water Fastness	ISO 105-E01	Min.:4
Rubbing Fastness	ISO 105-X12	Min.:4
Perspiration Fastness	ISO 105-E04	Min.:4
Light Fastness	ISO 105 B02	Min.:4

PHYSICAL CHARACTERISTICS

Heat Resistance	Its structure deteriorates at 180°C and it burns easily.
UV Resistance	Yellowing occurs when exposed to sunlight for prolonged periods.
Shrinkage	Shrinkage at 100°C is less than 1%.

CHEMICAL PROPERTIES

Mineral Acids	Resistant to most mineral acids.
Alkalis	Cotton swells during caustic treatments without deformation or loss of strength.
Organic Solvents	Generally unaffected; however, soluble in some phenolic mixtures.
Washing / Dry Cleaning	Shrinkage of 1% or less occurs at 100°C. Sensitive to temperatures above 130°C.

THICKNESS AND STRENGTH CHART

TKT	Nominal Tex	Breaking Force CN	Elongation at Break %
24	65	2300	5-8
60	30	950	5-8

STORAGE CONDITIONS

*Keep away from high heat, moisture, and direct sunlight.

