

## 100% MERCERIZED COTTON SEWING THREAD

# Duracotton®

Durak Duracotton® is a specially designed 100% mercerized cotton sewing thread. It is made of high quality cotton to provide more shine and higher strength. The mercerizing process also ensures the thread a high affinity, makes it an ideal thread for sewing both untreated and mercerized 100% cotton fabrics. Duracotton® has a smooth and brilliant surface, so it provides excellent results.



### Product Properties

- Provides consistently best color results.
- Has a smooth and brighter surface thanks to the mercerization process.
- Provides higher tenacity than other competitors.
- Certified to Oeko-Tex Standard 100, class I.

### Areas of Use

- **Post dyed garments**
- **Apparel**
- **Leather**
- **Home Textile**

# Duracotton®

## Physical Properties

Decomposes at 180°C and burns easily. If exposed to sunlight for a long time, it turns yellow and loses strength. Shrinkage at 100°C typically 1% or less, Sensitive to temperatures higher than 130°C.

## Chemical Properties

**Mineral acids:** Sensitive to mineral acids, especially if halogenated.

**Alkalis:** Swells in caustic mercerization but is not damaged.

**Organic solvents:** Generally unaffected by most organic solvents. Probability of strength loss if contaminated with iron during bleaching.

**Bleaching:** Good resistance to chlorine.

**Moisture regain:** Approximately 8%.



## Thickness and Strength Chart

| Ticket No. | Nominal Tex | Strength CN | Elongation % | Needle Size (Nm) |
|------------|-------------|-------------|--------------|------------------|
| 24         | 65          | 2.200       | 5 - 10       | 110 - 120        |
| 40         | 45          | 1.370       | 5 - 10       | 90 - 110         |
| 60         | 30          | 930         | 5 - 10       | 75 - 80          |

## Presentation

Durak Duracotton® offers a wide range of colors in a variety of meters size and thicknesses.

## Color Fastness

|                           |             |        |
|---------------------------|-------------|--------|
| Washing fastness at 60°C  | ISO 105 C06 | Min. 4 |
| Water fastness            | ISO 105 E01 | Min. 4 |
| Friction fastness         | ISO 105 X12 | Min. 4 |
| Hypochlorite fastness     | ISO 105 N01 | Min. 4 |
| Dry cleaning fastness     | ISO 105 D01 | Min. 4 |
| Perspiration fastness     | ISO 105 E04 | Min. 4 |
| Artificial light fastness | ISO 105 B02 | Min. 4 |

## Storage Conditions

Must be stored away from heat, humidity and direct sunlight.

