

Durafix®

Profession in sewing and embroidery

Durak Durafix® is a sewing thread that made from high tenacity %100 Polyester (continuous filament) Durak Durafix® is a perfect sewing thread with its high resistance against high-speed sewing, abrasion, chemical effects and exterior weather conditions. Durak Durafix® is a High-Tenacity thread with a widespread field of usage. This thread, having been produced completely in Durak facilities with high-quality raw materials in high-tech machinery, provides all properties which sewing thread has to offer. The product has an exceptional finishing process, which provides the best performance at high-speed sewing.



Product Properties

- With its continuous filament feature, it is the expression of durability. It has the highest tenacity among similar threads due to its structure and production process.
- Having been wound on to vicone conics, unwinding the thread without entanglement.
- Their dimensional stability is improved by special heat-setting and thus, it is gained to convenience in usage such as washing and ironing.
- As a result of its high-tech lubrication it provides a superior sewing performance and quality seems. It lengthens durability of machine parts and decreases the friction temperature about 20 percent.



Usage Areas

- The automotive industry
- Home Textile
- Business outfits
- Hem Threads (trousers, skirts)
- Furniture
- Blue-jeans
- Sports wear
- Spangle sewing threads
- Shoes, boots, leather, cases, suitcases, etc.
- Sailor outfits
- Tents, Canvases

Durafix®

Physical and Chemical Properties

- Acids** : With the exception of extreme applications, polyester is impervious to most kinds of acids.
- Alkalis** : Polyester is durable against mild alkalis and average durable against intense alkalis.
- Organic Solvents** : It is not affected by common solvents. It might dissolve in phenol compounds.
- Bleaching** : It is not affected by chlorine and peroxide until the limit of 20 gr. per liter
- Washing** : Proves a great deal of resistance against washing. At 100 °C it shrinks 1% or less and at 150 °C it shrinks 2% or less.
- Temperature** : Physical and chemical alterations occur after the temperature of 150 °.
- Other Properties** : DURAK Durafix® is able to provide multi-coloured dyeing and degraded dyeing addition to plain dyeing.

Dyeing Technology and Lubrication

DURAK Durafix® high-resistant sewing threads, with the use of environmental coloring substances and chemicals, are coloured with Durak's rich variety of colour choices . All the colours of Durak Durafix product, from the numbered card are delivered within the shortest period according to the needs of the customers.

Finishing Process : A different lubrication process which provides a great performance at high sewing speeds, no colour differences forms in tones and no changes during storing is applied.

Presentation Method

DURAK Durafix® is produced and presented (6, 8, 10, 11, 12, 15, 20, 30, 40, 50, 70, 80, 100, 120, 150, 180, 200, 300, 400) in various thickness with various lengths together with Durak's rich color choices.

| Sewing Threads | Ticket No. | Thread Type | Tex | Strength (CN) | Elongation % | Needle Size Nm |
|----------------|-------------------------------|-------------------------------|-----|------------------|------------------|----------------|
| Durafix | 6 | Continuous Filament Polyester | 570 | 33000 | min. 20- max. 30 | 230-280 |
| | 8 | Continuous Filament Polyester | 385 | 22000 | min. 20- max. 30 | 180-250 |
| | 10 | Continuous Filament Polyester | 270 | 19000 | min. 20- max. 26 | |
| | 11 | Continuous Filament Polyester | 295 | 18500 | min. 20- max. 26 | 160-200 |
| | 12 | Continuous Filament Polyester | 265 | 15000 | min. 20- max. 30 | 160-200 |
| | 15 | Continuous Filament Polyester | 175 | 10150 | min. 15- max. 25 | 140-160 |
| | 20 | Continuous Filament Polyester | 135 | 9120 | min. 15- max. 25 | 130-140 |
| | 30 | Continuous Filament Polyester | 80 | 5400 | min. 14- max. 20 | 110-130 |
| | 40 | Continuous Filament Polyester | 60 | 4450 | min. 15- max. 21 | 100-120 |
| | 50 | Continuous Filament Polyester | 55 | 3433 | min. 14- max. 20 | 100-120 |
| | 70 | Continuous Filament Polyester | 40 | 2760 | min. 14- max. 20 | 90-100 |
| | 80 | Continuous Filament Polyester | 35 | 2280 | min. 14- max. 20 | 80-90 |
| | 100 | Continuous Filament Polyester | 27 | 1677 | min. 14- max. 20 | 80-90 |
| | 120 | Continuous Filament Polyester | 24 | 1535 | min. 14- max. 19 | 80-90 |
| | 150 | Continuous Filament Polyester | 18 | 1100 | min. 14- max. 19 | 70-80 |
| | 180 | Continuous Filament Polyester | 16 | 1000 | min. 14- max. 19 | 60-75 |
| | 200 | Continuous Filament Polyester | 12 | 970 | min. 14- max. 19 | 60-75 |
| 300 | Continuous Filament Polyester | 10 | 660 | min. 12- max. 15 | 60 | |
| 400 | Continuous Filament Polyester | 7 | 458 | min. 10- max. 16 | 55 | |

Colour Fastness

| | | |
|-----------------------|-------------|--------|
| Washing Fastness | ISO 105 C06 | Min. 4 |
| Rubbing Fastness | ISO 105 12 | Min. 4 |
| Perspiration Fastness | ISO 105 E04 | Min. 4 |
| Water Fastness | ISO 105 E01 | Min. 4 |
| Dry Cleaning Fastness | ISO 105 D01 | Min. 4 |
| Light Fastness | ISO 105 B02 | Min. 4 |



Storage Conditions

It should be stored somewhere out of high temperature, damp and direct sunlight.

Durak Tekstil has right to change the technical specifications without giving any notice.

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