

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, 11, 13, 15, 20, 30, 40, 50, 60, 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	450	30000	min. 20- max. 25	230-280
	8	Continuous Filament Polyester	330	20500	min. 20- max. 26	180-250
	11	Continuous Filament Polyester	270	18500	min. 20- max. 26	160-200
	13	Continuous Filament Polyester	250	13000	min. 20- max. 26	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
	60	Continuous Filament Polyester	45	3220	min. 14- max. 20	90-100
	70	Continuous Filament Polyester	40	3080	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. 15- max. 19	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 any notice.

Sales & Marketing
DURAK Tekstil Pazarlama A.S.
 Phone :+90 212 468 06 00
 Fax :+90 212 468 06 99
 İstanbul Dünya Ticaret Merkezi
 A3 Blok K.14 No.430-433
 34149 Yeşilköy-İstanbul/TÜRKİYE

DURAK Poland
 Phone : +48 42 640 71 79
 Fax : +48 42 653 29 56
DURAK Spain
 Phone : +34 96 14 327 33
 Fax : +34 96 12 729 61

DURAK Austria
 Phone : +43 55 77 62 367
 Fax : +43 55 77 86 011

DURAK Shanghai
 Phone : +86 021 336 32 458
 Fax : +86 021 336 32 459



