

Durak Duraless® is a high-tenacity, continuous filament polyester pre-wound bobbin thread designed for use in shuttle-based systems. It serves a wide range of industries and is available in various thicknesses and bobbin sizes.

With specially developed lubricants that enhance sewing performance, a consistent and compact structure, carefully selected raw materials, and proprietary lubrication technology, Duraless® ensures stable thread tension from start to finish without collapsing. Beyond improving seam quality, Durak Duraless® also contributes to higher production efficiency.

- No need for rewinding onto bobbins
- Can be directly placed into the existing bobbin case without any machine modification
- Ensures consistent tension from start to finish, improving stitch quality
- Provides at least twice the length compared to regular bobbin threads
- Simultaneous bottom thread consumption reduces material waste
- Eliminates the need to purchase metal bobbins, offering cost efficiency
- Reduces thread waste and contributes positively to environmental sustainability



Mattress -
Quilting



Denim
Garments



Underwear /
Swimwear /
Bikini



Ready-to-Wear



Workwear



Home Textiles



Sports Wear

Pre-wound Bobbin Thread for Sewing & Embroidery **Duraless**



DURAK



INSTRUCTIONS FOR USE



Remove the spring inside the case.



Remove the brake piece on the case.



The thread should unwind in a counterclockwise direction.

FASTNESS

Washing Fastness (60°C)	ISO 105-C06	Min.:4
Water Fastness	ISO 105-E01	Min.:4
Rubbing Fastness	ISO 105-X12	Min.:4
Hypochlorite Fastness	ISO 105 N01	Min.:4
Dry Cleaning Fastness	ISO 105 D01	Min.:4
Sweat Fastness	ISO 105-E04	Min.:4
Light Fastness	ISO 105 B02	Min.:5

PHYSICAL PROPERTIES

Melts	Melts at 260°C
Softens	Softens at 220 - 240°C
Shrinkage	Shrinkage at 150°C is below 1%

CHEMICAL PROPERTIES

Mineral Acids	Resistant to most mineral acids.
Alkalies	Generally unaffected by weak alkalies but particularly vulnerable to strong alkalies at high temperatures.
Organic Solvents	Generally unaffected, but dissolves in some phenolic mixtures.
Bleaching	Unaffected.
Microorganisms	(mold mildew) Unaffected.
Washing / Dry Cleaning	Unaffected.
Regained Moisture	0.4%

THICKNESS AND STRENGTH TABLE

TKT	Nominal Tex	Strength CN	Elongation %
70/2	16	900	12 - 16
140/1	14	850	12 - 16
190/1	19	1335	12 - 16
233/1	23	1550	14 - 18
280/1	28	1850	14 - 18
466/1	46	3200	20 - 24

PRESENTATION FORM

Durak Duraless® offers a wide range of colors in various sizes and thicknesses.

STORAGE CONDITIONS

*Should be protected from high heat, moisture, and direct sunlight.



2 gr/lit