

# Duralon®

## Profession in sewing and embroidery

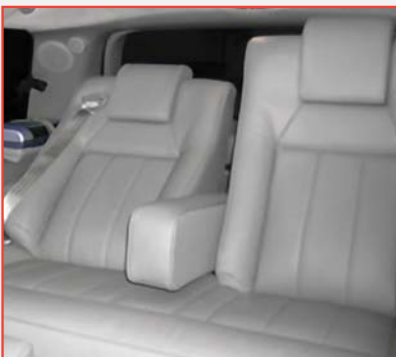
Durak Duralon® is a high tenacity nylon 66 sewing thread.

Duralon® thread is produced in different ticket numbers as waterproof and high performance for automotive in addition to standard usages. It is demanded and especially preferred for sewing of multilayer leather goods due to these excellent physical features.



### Product Properties

- High stretching as a result of high elongation.
- High tenacity and running performance.
- Superior seam strength due to its high tensile strength compared with other threads having same thickness.
- An excellent abrasion resistance
- Adequate physical specifications and chemical resistance
- Knots free bobbin lengths
- An precision winding, excellent sewability
- Duralon® is a high performance sewing thread for various sewing applications.
- Duralon® is more elastic than regular nylon threads.
- Duralon® has high tenacity, high abrasion resistance and good structural stability.



### Usage Areas

It has a variety of usage that requires high seam strength and abrasion resistance such as furniture, automotive, bag, suitcase, shoes industries.

Product Name	Ticket No	Usage Areas
DURALON®	10	Shoes, leather things, bags, long and flexible carrier belts, rubber clothes and parachutes.
DURALON®	15	Shoes, leather things, bags, bedding industry, technical applications, carrier belts, large tents, parachutes.
DURALON®	20	Technical applications such as shoes, leather products, bags, bedding, tents and belts and parachutes.
DURALON®	30	Shoes, leather things, bags, bedding industry, technical applications, parachutes.
DURALON®	40	Shoes, leather things, bags, technical products, beds and upholstery.
DURALON®	60	Shoes, leather things, bags, technical products,
DURALON® - AU	20	Security belt, fly wheel, covering of auto seats, upholstery in textile, decorative and straight sewing for mats.
	30	
	40	
DURALON® - WR	20	Technical textile products that requires the feature of water proof such as shoes, leather things, bags, suitcases
	30	
	40	

## Duralon®

### Physical and Chemical Properties

They have high tenacity, therefore they resist to loading and strokes.

They have high elongation values can not be easily deformed and have high recovery. They are enduring against abrasion and flexion. Their dampness values are lower than other fibres. Dampness is at about 4% .They can be got dry easily after getting wet.

### Dying Technology and Lubrication

Duralon® nylon 6.6 sewing threads are dyed with dye stuffs and chemicals from which produced high color fastness, bright and vivid colors

The lubrication process not only maintains the brightness and liveness of the colors but also offers high performance at high sewing speeds.

<b>Against acid</b>	The low concentrated acids have a very little influence on Nylon 66 fibres. However, high concentrated acids damage the structure of thread at high temperature. They can be decomposed easily by hydrochloric acid, sulfuric acid and nitric acid in cold.
<b>Against alkali</b>	Nylon 66 fibres are usually resistant to alkali. They can be durable against 50% alkali concentration without high temperature. They are durable for being boiled in strong caustic soda solvents.
<b>Against Organic Solvents</b>	Organic solvents such as intensive formic acid, phenol and cresol affects Nylon 66 fibres. Therefore, it is required to have a care when using mentioned solvent during dry cleaning. They can not be easily affected by the other elements used for dry cleaning.
<b>Against insects and micro organism</b>	They are usually durable against the moth and other varmints . Bacterium and microorganisms can not harm them. However, depending on the conditions, decompositions on texture can rarely be observed .
<b>Against the heat</b>	Nylon 66 fibres soften at 170°C and dissolve at 260°C.
<b>Against the light</b>	They can turn pale and lose their tenacity when exposed to light for a long time.

Product Name	Ticket No	Tex	Target Breaking Force CN	Elongation %	Needle Size NM	Bobbin Length (Mt)
DURALON®	10	300	18000	min.22 - max.32	230 - 280	1000 - 1500
DURALON®	15	200	14150	min.22 - max.32	180 - 250	1500
DURALON®	20	150	10250	min.22 - max.32	140 - 180	2500
DURALON®	30	105	6630	min.22 - max.32	120 - 140	2000 - 4000
DURALON®	40	70	4830	min.18 - max.28	100 - 120	2000 - 5000
DURALON®	60	45	3420	min.18 - max.28	90 - 110	3500 - 7500
DURALON - AU®	20	150	10750	min.22 - max.32	140 - 180	2500
DURALON - AU®	30	105	6740	min.22 - max.32	120 - 140	2000 - 4000
DURALON - AU®	40	70	5150	min.18 - max.28	100 - 120	2000 - 5000
DURALON - WR®	30	105	6630	min.22 - max.32	120 - 140	2000 - 4000
DURALON - WR®	40	70	4830	min.18 - max.28	100 - 120	2000 - 5000

### Colour Fastness

Washing Fastness	ISO 105 C06	Min .3
Rubbing Fastness	ISO 105 X12	Min .4
Perspiration Fastness	ISO 105 E04	Min .3



### Usage Recommendations

#### ☞ Advise for ironing

It is advised to iron them at middle degree.( 150°C )

#### ☞ Advise for washing

It is best washed with normal detergent at 60°C

#### ☞ Storage Conditions

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

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

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