

# **FIRESTAR®**

SPUN PARA - ARAMID

*FIRESTAR is a spun para-aramid and fire retardant sewing thread. Firestar provides an exceptionally durability even at high temperatures and offers top quality protective seams. It provides incredible durability against burning flames, ballistic resistance at high temperatures.*

*FIRESTAR has been specially developed to meet fire and heat standards in many industries including aviation, automotive and insulation industries.*

## **BASIC USES:**



*Military applications and protective clothes*



*Mattress and tape edge sewing operation*



*Bullet-proof vest*



*High temperature air bags*



*Cut and industrial gloves*





# The main reasons to prefer FIRESTAR

-  Colors card of 15 color
-  Custom made colors are available
-  %100 Twaron ® or para aramide fiber
-  Flame and heat protection
-  Low elongation
-  Para-aramid fibre with a high melting point of 420°C
-  Para-aramid is a high tenacity and high modules fiber
-  High durability against elevated temperatures
-  Quality controlled and tested by  certification system

## Technical Specifications

Ticket No. (Nm)	Tex No.	Ply	Average Strength		Elongation Min-Max %	Needle Size Metric
			cN	Gram		
35	80	4	5982	6100	2 - 5	110-130
50	60	3	4511	4600	2 - 5	100-120
70	40	2	2647	2700	2 - 5	90-100

## Fastness Features:

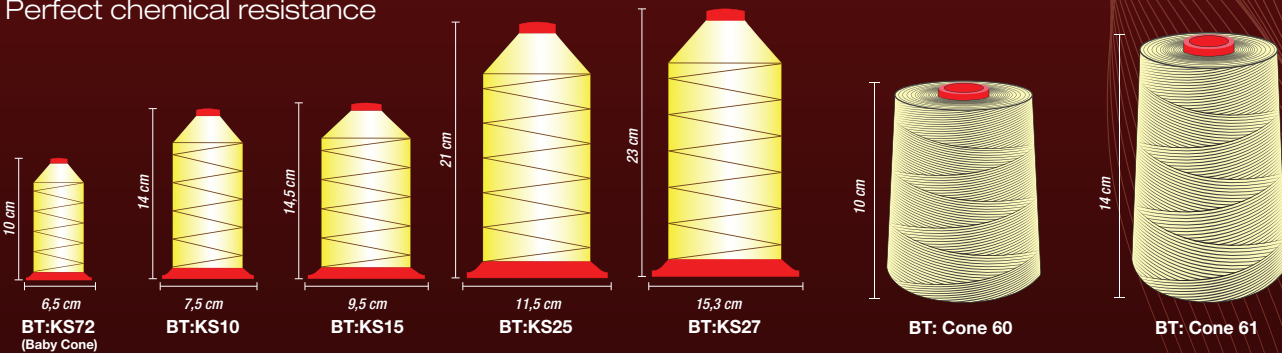
Wash fastness	: ISO 105 C10D	Grade 3-4
Water fastness	: ISO 105 E01	Grade 3-4
Rub fastness	: ISO 105 X12	Grade 3-4

## Thermal Features:

Decomposition temperature at approx 420°C  
Does not melt or drip

## Chemical Features:

Excellent resistance to oils and petro chemicals  
Good abrasion resistance  
Perfect chemical resistance



BT= Bobbin Type



The conditions and practice for the use of sewing threads are quite variable. Therefore, it is important that the manufacturers have to do pre-tests to determine whether the product specifications are suitable for use in order to assure themselves. Ozen Iplik is not liable for unsuitable or improper use of the products. The above information is based on current average values and should be considered as guidance only.