

FLAMESTAR®

SPUN META - ARAMID

FLAMESTAR is a 100% staple spun meta-aramid sewing thread. It provides superior protection against heat, flame and electric arc up to 370 °C. It is an ideal sewing thread choice for the customers working in difficult and dangerous conditions.

BASIC USES:



Fire fighters protective clothing



Welding blankets (to be used in power plants, paper mills, petroleum & petrochemical plants, iron and steel sector, automotive paint industry, cement plants, shipbuilding industry)



Fire blankets



Flame retardant protective clothing for emergency response applications



Police and military protective wear



Pilot suits



Riot police



Industrial workwear for welding, molten splash, oil and gas, utilities, electric arc and racing cars



The main reasons to prefer FLAMESTAR

- 100% inherently fire retardant sewing thread
- Excellent heat and flame protection
- Does not melt or drip up to 370°C , then it carbonizes
- Highly resistant to wear and tear
- Superior strength, durability and perfect seam appearance
- It has a worldwide known  certification, especially for the USA and Canada
- 20+ colour range

Technical Specifications						
Ticket No. (Nm)	Tex No.	Ply	Average Strength		Elongation Min-Max %	Needle Size Metric
			cN	Gram		
20	150	3	4609	4700	13-25	140-160
40	75	3	2108	2150	13-25	100-120
70	40	3	1176	1200	13-25	90-100
100	27	2	784	800	13-25	80-90

* Needle size recommendations are a guide only and ultimately depend on the sewing application.

Fastness Features :

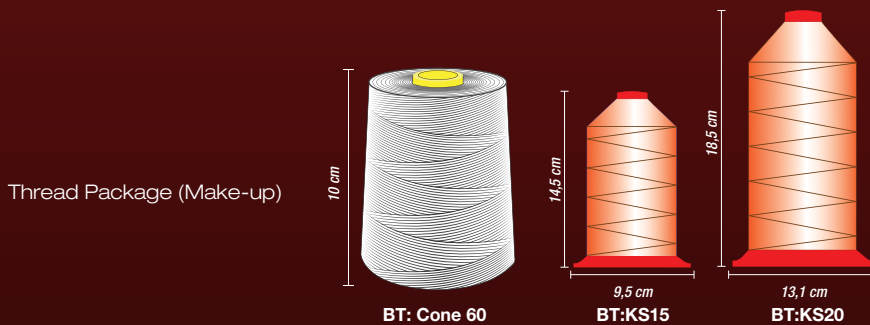
Wash fastness	:	ISO 105-C10 :2006 C(3)	Grade 4
Water fastness	:	ISO 105-E01 :2013	Grade 4
Rub fastness	:	ISO 105-X12 :2016	Grade 4

Thermal Features :

Decomposition temperature at approx 370°C
Does not melt or drip

Chemical Features :

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



As the conditions and applications in the end-use of thread vary considerably, the user should carry out preliminary testing to ensure that the thread is suitable for the intended use. Özen Iplik cannot be held responsible for the misuse of any of the above products. All information contained in this sheet should be taken only as indicative. Please ensure that you are using the most recent publication.