FIREFIL®

CONTINUOUS FILAMENT PARA-ARAMID



FIREFIL is a 100% filament para-aramid sewing thread. It provides superior protection against heat and flame up to 425°C. It is an ideal sewing thread choice for the customers working in difficult and dangerous conditions.
It has been specially designed to meet the heat & flame protection and outstanding strength needs of the automotive and thermal insulation industries.



BASIC USES:

- *Protective apparel*
- *Safety shoes*
- *Cut protective gloves*
- *Bullet-proof vests*
- *Hose binders*
- *Ballistic body armour*
- *Airbags*
- *Heat insulation*
- *Filtration*

The main reasons to prefer FIREFIL

- *It has an extraordinary resistance against puncture and cut in protective clothing*
- *High temperature and flame resistance up to 425°C*
- *Very low elongation (3-4%)*
- *Exceptional strength and durability*
- *It has a worldwide known UL certification, especially for the USA and Canada*
- *Bonded version is also available*

Technical Specifications						
Ticket No. (Nm)	Tex No.	Ply	Averange Strength		Elongation Min-Max	Needle Size
			cN	Gram	%	Metric
4	660	3	97,085	99,000	2 - 6	160-180
10	270	3	35,794	36,500	2 - 6	160-180
20	135	3	24,036	24,510	2 - 6	130-140
30	90	2	14,513	14,800	2 - 6	110-130
40	70	3	11,297	11,520	2 - 6	100-120
60	45	2	6,207	6,330	2 - 6	90-100

* 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 3
Rub fastness : ISO 105-X12 :2016 Grade 3

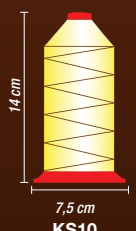
Thermal Features :

Decomposition temperature at approx 425°C
Does not melt or drip

Chemical Features :

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

Thread Package (Make-up)



As the conditions and applications in the end-use of thread vary considerably, the user should carry out preliminarily testing to ensure that the thread is suitable for the intended use. Özen İplik 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.

ÖZEN İPLİK®
SEWING THREAD MANUFACTURING
www.ozeniplik.com
info@ozeniplik.com
+90 212 689 69 00
+90 212 689 69 05
Osmangazi Mah. Yazgan Sokak
No:2 Esenyurt, ISTANBUL/TURKEY