

DELTA[®]

CORE SPUN (POLY-POLY)

DELTA is a high quality core spun sewing thread which consist of a high-tenacity continuous filament Polyester core covered /surrounded by Polyester fibres. This product is very versatile and can be used in many sewing operations together with almost all type of fabrics.

The special lubricant applied to the thread during production provides an excellent sewing performance by allowing working at low tensions even under the most demanding sewing conditions.

The continuous filament component in the center of the thread allows a finer thread and needle to be used than would be necessary for 100% staple spun threads. This improves seam appearance.

DELTA is the brand preferred by the leading companies in the world. It can be used as both needle thread and bobbin/ looper thread.

BASIC USES:



Knitted products



Shirts



Denim products



Underwear, swimwear



Non-denim trousers



Classic clothing



Uniforms and workwear



Children's clothes










Fine woven fabrics



Leather goods



The main reasons to prefer DELTA

-  **High seam strength**
-  **Suitable for high speed, long run sewing machines**
-  **No seam pucker (distortion)**
-  **High efficiency coming from the decreased number of sewing breaks**
-  **Extensive colour range and very wide range of ticket sizes**
-  **High abrasion resistance and color fastness**
-  **It can be safely used even for babywear with the trusted OEKO-TEX Standard 100 Class I certificate**

Technical Specifications					
Ticket No. (Nm)	Tex No.	Number of Ply	Average Strength	Elongation (Min-Max) %	Recommended needle size* (metric)
			(cN)		
180	16	2	740	12-20	65-75
140	18	2	940	14-22	65-75
120	24	2	1300	15-23	70-90
100	30	2	1500	15-23	75-90
80	40	2	2050	16-24	90-110
60	50	2 or 3	2500	16-24	100-120
50	60	2	3000	16-24	100-120
40	80	2	4000	16-24	100-120
30	90	2 or 3	4700	19-27	110-130
25	120	3	5900	18-26	120-140
20	135	3	7500	18-26	120-140

* 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 :

Melting point 250°C
Shrinkage less than 1% at 150°C

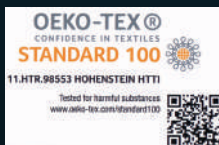
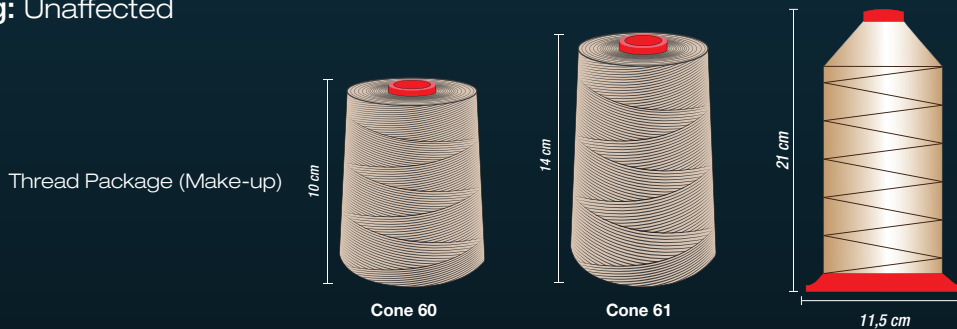
Chemical Features:

Acids: Good resistance to weak acids

Alkalis: Unaffected by weak alkalis, but less resistant to stronger alkalis

Organic Solvents: Generally unaffected

Bleaching: Unaffected



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 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.