

BONDYLON[®]

BONDED CONTINUOUS FILAMENT NYLON



BONDYLON is a bonded sewing thread produced from high tenacity continuous filament Nylon 6. The bond coating ensures that the twisted plies are held firmly together so that no untwisting or separating of plies takes place even during multi-directional sewing operations. This results in excellent sewing performance without any break. At the same time, the bonding chemical applied provides a high abrasion resistance during sewing and wearing as well. Due to the soft handle and its elastic properties, it can be used for a wide range of applications.

BASIC USES:



Denim



Industrial filters



Classic dress & casual shoes



Furniture upholstery and bedding



Leather goods









Automotive



Safety and sports equipment



The main reasons to prefer BONDYLON

-  *Ideal for high-speed multi-directional sewing machines*
-  *High tensile strength*
-  *High abrasion resistance*
-  *Soft and pliable*
-  *Neat, uniform and lustrous appearance in seam*
-  *It can be used in many sewing operations and applications with wide range of ticket sizes*

Technical Specifications					
Ticket No. (Nm)	Tex No.	Number of Ply	Average Strength	Elongation (Min-Max) %	Recommended needle size* (metric)
			(cN)		
5	600	3	42000	26-36	200-250
6	500	3	31000	24-34	160-200
7	400	3	24000	24-34	160-200
9	350	3	20000	22-32	160-200
11	270	3	16500	22-32	160-200
15	210	3	13250	22-32	140-160
20	135	3	9100	21-31	140-160
30	90	3	5600	22-32	120-140
40	70	3	4700	17-27	100-120
60	45	2 or 3	2800	17-27	90-110

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

Fastness Properties :

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 Properties :

Melting point 215 - 220°C
Shrinkage less than 2% at 150°C

Chemical Properties :

Acids: Good resistance to weak acids

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

Organic Solvents: Generally unaffected

Bleaching: Unaffected, deterioration dependant on conditions



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.