



Automotive

COATS
neophil



Neophil™ is a range of bonded nylon threads proven for its performance in the manufacture of critical parts like airbag systems and seat belts as well as for trim applications and decorative stitching. These threads are designed and manufactured to withstand challenging conditions like abrasion, scuffing, sunlight, flexing, heat etc. over the life of the vehicle.

Tex No	Ticket No. (Nm)	Ply	Average Strength		Elongation %
			cN	Grams	
45	60	2	3,240	3,300	16-26
70	40	3	4,700	4,800	16-26
90	30/32	3 or 4	6,370	6,500	16-30
135	20/22	3	9,410	9,600	16-30
210	13	3	14,014	14,300	20-30
90	30	1	6,370	6,500	15-30
135	20	1	9,410	9,600	15-30
150	18	1	11,170	11,400	15-30

COATS
gral



Gral™ is a lubricated polyester thread made from pre-stabilised high tenacity continuous filament polyester which is excellent for all types of leather and offers good abrasion resistance. The soft finish with superior low friction lubrication reduces the effects of needle heat and abrasion. The higher breaking strength and optimum stretch characteristics produces attractive, fine seams.

Tex No	Ticket No. (Nm)	Average Strength (cN)	Elongation %	Recommended Needle Size* Metric
40	60	2,620	16-22	90-100
50	50	3,260	16-22	90-100
60	40	4,230	17-22	100-110
80	30	5,200	17-22	130-140
105	25	6,340	17-22	130-140
135	20	8,360	18-24	140-160
150	18	9,030	22-30	140-160
180	15	11,400	22-30	140-160
240	12	14,730	20-34	140-160

Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure herself or himself that the product meets end customer requirements and is suitable for the intended end use. Coats® accepts no liability for unsuitable or improper use or application of products.

Information provided above is based on current averages and should be taken only as indicative. Coats® accepts no liability for the preciseness and correctness of the information provided.

Product information sheets are updated from time to time, please be sure you are referring to the most recent publication. Coats® supports customers with advice on individual applications on request; if you have any questions or concerns, please contact us.



Our edge comes from customer-led innovation.

- **Automatic bobbin detection**
A sorting process managed by computer software which eliminates subjectivity and ensures bobbins are consistently uniform in size and quality.
- **Tracer thread**
Dyed in bright colors, it enables the naked eye to check stitch patterns and sort good products from those that are defective.

- **Detectable bobbin cores**
Metal bobbin cores which can be identified when a product is passed through a metal detector to confirm it does not include waste.
- **Bonding process**
A long manufacturing process combined into one machine reduces the number of heat processes which provides greater retained strength and less probability of strength variation.

Deliver the right colour twice as fast with Coats® technology.

Coats® Colour Express (CCE) is a revolutionary service that will cut colour match lead times in half and deliver a high accuracy of colour matches.

Submit your next colour match sample instantaneously by using an in-house spectrophotometer and uploading a QTX file directly to CCE.

Our stringent testing procedures ensure our threads exceed standards.

- 1 Strength / Elongation**
Will the thread filaments maintain their strength during the manufacturing process?
- 2 Heat-age**
Will the thread survive 125 days in the desert?
- 3 UV Light Fastness**
Will the thread keep its colour fastness, even 12 years later?

Find out more. Email marketing@coats.com