

# Coats® Nymo™

Coats Nymo is a single-ply, lightly bonded thread which eliminates the risk of plied thread untwisting or fraying. It is unsurpassed in quality and performance for twin-needle and high-speed, multi-directional sewing. A single ply of multi-filament nylon is lightly bonded at its point of contact, just enough to form a cohesive element without stiffening the product. Its proprietary bond chemistry, special 'tower bonding' application process, and unique oval cross section combined to produce a wide range of Coats Nymo threads. Coats Nymo needle threads and fine denier bobbins are unsurpassed in quality and performance for twin-needle and high speed multi-directional sewing.

COATS  
*nymo*



BONDED SINGLE PLY  
MULTI-FILAMENT  
NYLON

## WHY CHOOSE NYMO?

- Nylon monocord construction is ideal for high-speed multidirectional sewing
- Coats Nymo resists thread rotation in either left or right hand direction, providing excellent sewing on twin-needle machines
- Coats Nymo has a unique oval cross section, providing low profile stitches; 6 - 11% lower thread usage per stitch
- Seams lie flatter to seam surface providing more resistance to external abrasion
- Coats Nymo is 20% finer than twisted threads of equivalent size; therefore fine needle sizes can be used to improve seam appearance and also to prevent cutting and tearing of fine leathers
- High creep resistance reduces seam pucker around stitch corners
- Parallelised nylon fibres reflects 'ordered' light, so colours blend better
- Coats Nymo has no ridges, unlike twisted thread surfaces, thus resulting in less wear and tear of sewing machine parts
- Unique Coats Nymo technology and colouration process; supple, bonded thread for fine denier sewing
- The complete thread 'system' for multidirectional sewing provides a well-balanced combination of special needle threads and downsized bobbins in graded length pack outs for optimum productivity and high-quality sewing

## MAIN USES:

- Single needle comforter quilting (Coats Nymo quilt superlube)
- Leather wallets
- Automotive seat belts
- All bobbin applications
- Premium luggage and sporting goods
- Light leather upholstered
- Furniture
- Dress shoe uppers
- Sports shoes and boots
- Children's shoes



# Coats Nymo

## PRODUCT RANGE

Article Ticket	Ticket	Tex	Length	Average Strength cN	Elongation % Min - Max	Recommended Needle Size Metric
S424061	061	50	5,000M	3,170	16 - 30	90 - 110
S414061	061	50	2,250M	3,170	16 - 30	90 - 110
S421041	041	70	3,000M	4,730	16 - 30	100 - 120
S409041	041	70	1,500M	4,730	16 - 30	100 - 120
S414031	031	105	2,250M	6,190	16 - 30	120 - 140
S409031	031	105	1,500M	6,190	16 - 30	120 - 140



## THERMAL PROPERTIES

Melting point 250°C

Shrinkage less than 1% @ 150°C

## CHEMICAL PROPERTIES

Mineral acids: Decomposed by strong mineral acids but resistant to weak acids

Alkalis: Essentially unaffected by weak alkalis, but less resistant to stronger alkalis, especially at higher temperatures

Organic solvents: Generally unaffected

Bleaching: Unaffected, deterioration dependant on conditions

Insects / microorganisms (mildew, rot): Unaffected

Moisture regain: Approximately 4.5%

## FASTNESS PROPERTIES

Water Fastness (ISO 105 E01:2010) Grade 4

Rub Fastness (ISO 105 X12:2001) Grade 4 - 5

Artificial Light Fastness (SAE J1885 40 kJ/m2) Grade 4



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Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure themselves 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 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 for 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. © Copyright reserved 2019.

# Coats Nymo

## EXPERT REAL WORLD SUPPORT

The final cost of any thread also includes hidden costs, fuelled by the methods and tools applied to it. Our experts know exactly how to reduce those costs, save time and increase productivity.



### Seamworks

Install our Seamworks software to accurately calculate costs prior to production, putting an end to the risk of over or under ordering materials, and incurring unnecessary extra costs. The Seamworks tool is provided with installation, training and ongoing support included.



### One to One Visits

There's no need to come to us, our experts will travel to your site. In person, online or via the phone, our trained consultants deal with the kind of issues any busy factory may face, providing a solution for today and a blueprint for future efficiency.



### Training and Presentations

From thread selection to stitch formation, the use of colour to solutions for common production issues, we take the learning gathered through years of hands on experience and present it in the form of high impact seminars, workshops and presentations.



### Embroidery Service Centre

Our Embroidery Service Centre makes embroidering a design much easier, increasing productivity at the same time as enhancing the design itself. Email the design and any problematic issues to us and our technicians will email the improved design right back.

To drive your hidden costs down, talk to Coats. From thread audits in pre-production to the latest technological bulletins, we'll provide support that achieves measurable results.

For more information, talk to your Coats representative today or visit [www.coats.com/nymo](http://www.coats.com/nymo)

## OTHER PRODUCTS IN THE NYMO RANGE

To complement the Nymo range, we also have a selection of specialist Nymo threads. Each of these combines the superior properties of the Nymo product with additional benefits specific to the end use.

Product Name	Description
<b>Nymo Ecobobs Y2</b>	Designed to help manufacturers increase productivity, reduce waste and enhance the quality of the end product.

Special use Nymo products are typically available across a select range of ticket sizes and technical information will in some cases vary from the above table.



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