



# Coats® Firefly™ MP

Firefly MP is a flame-resistant sewing thread made from a blend of meta-aramid and para-aramid fibres, engineered to deliver strong thermal protection and enhanced seam durability. The meta-aramid component provides inherent flame and heat resistance, while the para-aramid adds superior strength and abrasion performance. This balanced construction ensures excellent sewability, long-lasting seam integrity and reliability in safety-critical environments. Ideal for protective clothing, industrial workwear and other heat- and flame-exposed applications.



**COATS**  
*Firefly™*  
**MP**



FLAME-RESISTANT  
META-PARA ARAMID

2025

## Why choose Coats Firefly™ MP?

- Made from meta-aramid & para-aramid fibre with a high melting point
- High performance with flame and heat resistance; does not melt or drip up to the melting point
- High strength performance in sewing
- Good flame resistance and colour fastness properties throughout multiple cycles of laundering
- Certified to Global Safety Standards- EN ISO 11612:2015, EN ISO 15025:2016 Met.A, EN ISO 13935-2:2014, EN 469:2020, EN ISO 3146:2000 Met.B, EN ISO 20471:2013

## Main Uses:

- FR Garments
- Industrial workwear
- Industrial Gloves
- Military
- Protective Clothing



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## Product Range

Article Ticket	Tex	Ticket	Ply	Strength cN	Elongation % Min - Max	Recommended Needle Size Metric
70	40	70	3	1500	3 - 6	90

## Chemical Properties

Excellent resistance to oils and petro chemicals

Excellent chemical resistance

## Thermal Properties

Excellent heat resistance

Does not melt or drip

Self-extinguishes on removal of flame

## Fastness Properties

		Rating Stain	Change of Shade
Rubbing Fastness	EN ISO 105-X12:2016	4	N/A
Domestic and Industrial Washing	EN ISO 106-C06:2010	4	4-5
Perspiration Fastness	EN ISO 105-E04:2013	4	4
Dry Cleaning Fastness	EN ISO 105-D01:2010	4	4
Bleaching Fastness	EN ISO 105-N01:1993	N/A	4

## 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.



### 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.



### Innovation Hub

Collaborate directly with expert R&D technologists at our Innovation Hub to create pioneering and tailored solutions for products ranging from Performance Materials to Apparel and Footwear. Equipped with state-of-the-art technology, we quickly turn ideas into prototype designs ready for manufacturing.

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

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

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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 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. Coats® is a registered trademark of J. & P. Coats, Limited. Firefly™ is trademark of J. & P. Coats, Limited. © Copyright reserved 2025.