

Coats® FlamePro™ Ultrastrong

FlamePro Ultrastrong is a lightweight flame retardant yarn ideal for the station wear uniform market. It provides the required strength and protection from heat and flame. FlamePro Ultrastrong has a soft and comfortable touch, making specifically designed FR workwear feel like everyday clothing.

COATS

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ultrastrong



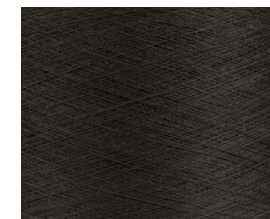
MULTI-HAZARD
PROTECTIVE YARN

WHY CHOOSE COATS FLAMEPRO ULTRASTRONG?

- It allows the production of finer yarns and lighter fabrics with better strength and durability
- Superior strength along with protection and comfort
- Exceptional flame protection along with contact and radiant heat resistance
- Design fabrics with FlamePro Ultrastrong to meet EN ISO 11612, EN ISO 11611, EN 13034, EN 11495, and NFPA 2112, NFPA 70e norms

MAIN USES:

- Police and Firefighter Station Wear Uniforms
- Emergency Wear
- FR Workwear
- Utility and Subcontractor Wear
- Oil Platform and Gas Industries
- Electric Companies Workwear
- Petroleum and Natural Gas Plants



Coats FlamePro Ultrastrong

PRODUCT RANGE

Article	Yarn Construction	Yarn Count Ne	Yarn Count Dtex	Break Strength cN	Tenacity cN/tex	Elongation % Min - Max
FP79520	Meta-Aramid/ Para-Aramid/ Antistatic	36/2	164 x 2	1050	32	15 - 20

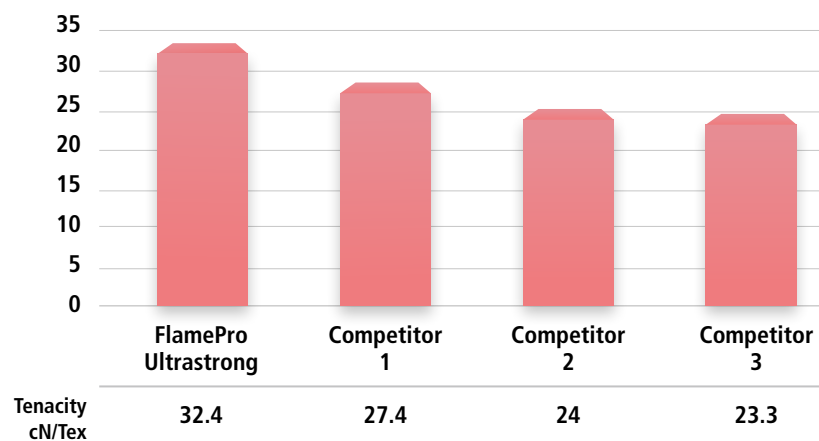
The above mentioned yarn concepts are for indication only. For customised options, please get in touch with your local Coats office.

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TENACITY (cN/Tex)

Tests have shown that FlamePro Ultrastrong has on average 20-30% higher strength vs. competitive products



PHYSICAL PROPERTIES (FABRIC)

Physical Test	Test Method	Result
Abrasion Resistance (Martindale Method)	BS EN ISO 12947-2:2016	>90000 cycles
Pilling Resistance	ISO 12945-2:2020	5 (No change)
Tear Strength	ISO13937-1:2000	90,8 N (Warp) 81,5 N (Weft)
Tensile Strength	ISO 13934-1:2013	1335 N (Warp) 1332 N (Weft)
Appearance After 1 Wash	ISO 6330:2012 (Washing)	Satisfactory (inhouse method)
Dimensional Stability to Washing	ISO 5077:2007	<1
Fabric Weight	ISO 3801:1977 Method 5	187 (gsm) / (5.5 onz)



Coats FlamePro Ultrastrong

EXPERT REAL WORLD SUPPORT

The final cost of any product 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 product selection 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 product 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/flamepro-ultrastrong

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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. © Copyright reserved 2022

