



Coats Flamepro



About Coats

At Coats we have over 250 years of pioneering experience and are global leaders in industrial threads, zips, engineered yarns and trims, employing more than 20,000 employees in over 70 countries. We are proud of our tradition of landmark innovations in threads, zips, colour technology and manufacturing processes, many of which have become global industry standards. Our comprehensive range of products are designed to deliver the desired strength and performance characteristics

that make Coats' products the first choice for manufacturers of high quality textiles. Our product offer is supported by a suite of value added services to help customers improve efficiency, solve problems and train staff online or onsite. Coats' comprehensive product offer, worldwide network and established leadership in innovation and service make us your natural first choice for a truly global partner.

Coats Flamepro – an innovative family of Flame Resistant (FR), Electric Arc and Cut Resistant yarns

Coats new range of flame, arc and cut resistant yarns for weaving and knitting is now available. A large range of counts are available in ring and vortex spun technologies. Coats offers singles and multi ply sold on cone or dye cheese which can be purchased in natural, yarn dyed or spun from dope dyed fibres. Coats Flamepro is produced at our state of the art facilities in Bursa, Turkey and Marion, North Carolina, USA.

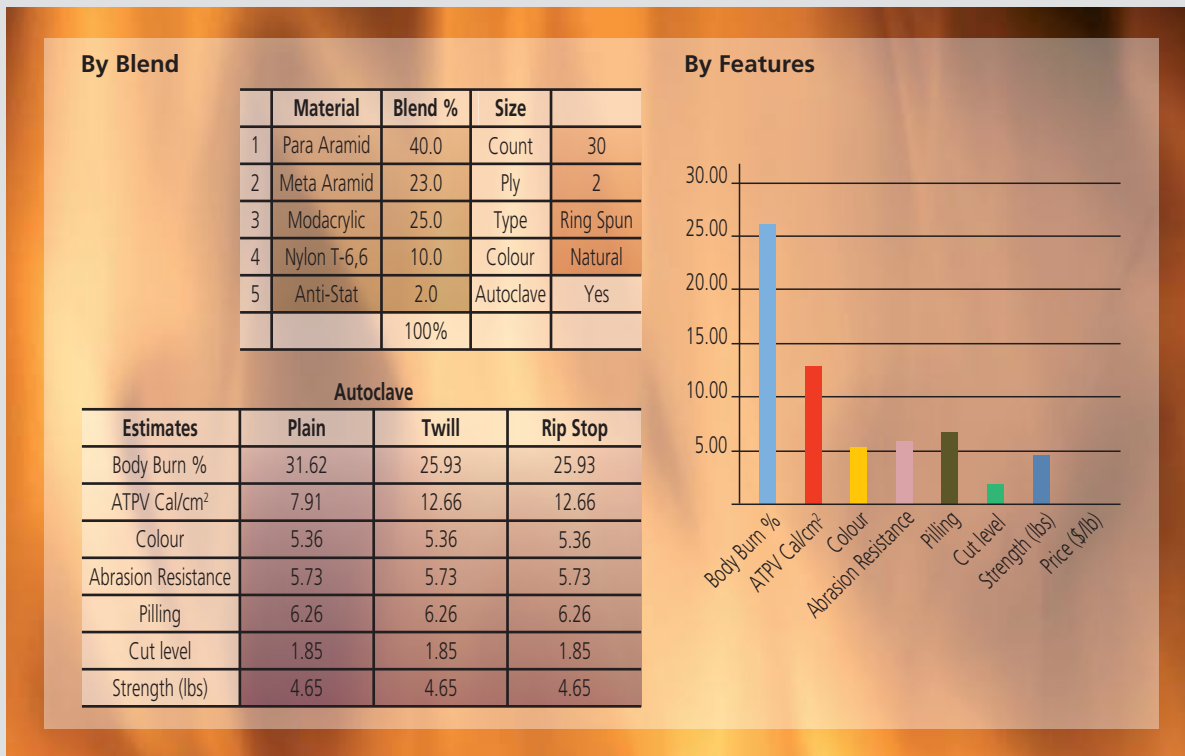
Example of application

Coats Flamepro – our yarns are used in fabrics destined for all types of Personal Protective Equipment

- Firefighter turnout gear
- Firefighter station wear
- Military combat uniforms
- Riot police gear
- Oil and gas shirts, trousers, coveralls
- Flame resistant water-proof breathable rainwear
- Electric arc shirts, trousers, coveralls
- Cut protection gloves / sleeves
- Flame resistant undergarments
- Flame resistant straps and harnesses
- Molten splash garments
- Flame resistant face and head protection



Coats Blend Predictor






Coats Blend Predictor software scientifically selects the required blend for you dependent on fabric functionality and end use application.

Market requirement – norms and standards

Coats understands the norms and international standards governing the flame protection market and the various military and administration specifications on a country by country basis.

We can help to develop a fabric to meet specifications and additional requirements such as:

- Improved performance – Flame retardant and physical
- Improved aesthetics
- Change the cost profile
- etc...

Euro Norms		NFPA	
EN ISO 11612		1971	
EN ISO 14116		1975	
EN ISO 11611		1977	
		2112	
EN 469		70e	

Coats Flamepro



- Custom blends up to five fibres
- Large selection of fibre types
- Core spun capable with filament or spun core
- Yarn dyed and dope dyed colours available
- Scientific approach to blend engineering which avoids extensive trial and error sampling
- Customized coating systems including soil release and anti-microbial

Fibre types available

Meta Aramid	Tencel
Para Aramid	FR Cotton
PBI	FR Rayon
Glass	HT Nylon
Modacrylic	Anti Static

Flamepro standard range*

Count Range (Single or Plied)		Technology	Blend	Application	Cone Dimension	Cone Weight
Nm 16 - 80	Ne 10 - 48	Ring or Vortex	100% Meta Aramid	Weaving or Knitting	6 inch	0.5 - 1.3 kilos
Nm 14 - 60	Ne 8 - 36	Ring	100% Para Aramid	Weaving or Knitting	6 inch	0.5 - 1.3 kilos
Nm 34 - 80	Ne 20 - 48	Ring or Vortex	93% Meta Aramid, 5% Para Aramid, 2% Anti static	Weaving or Knitting	6 inch	0.5 - 1.3 kilos
Nm 34 - 80	Ne 20 - 48	Ring or Vortex	95% Meta Aramid, 5% Para Aramid	Weaving or Knitting	6 inch	0.5 - 1.3 kilos
Nm 16 - 28	Ne 10 - 42	Ring or Vortex	Various Proprietary Blends	Weaving or Knitting	6 inch	0.5 - 1.3 kilos

* Other products are available upon request.

