



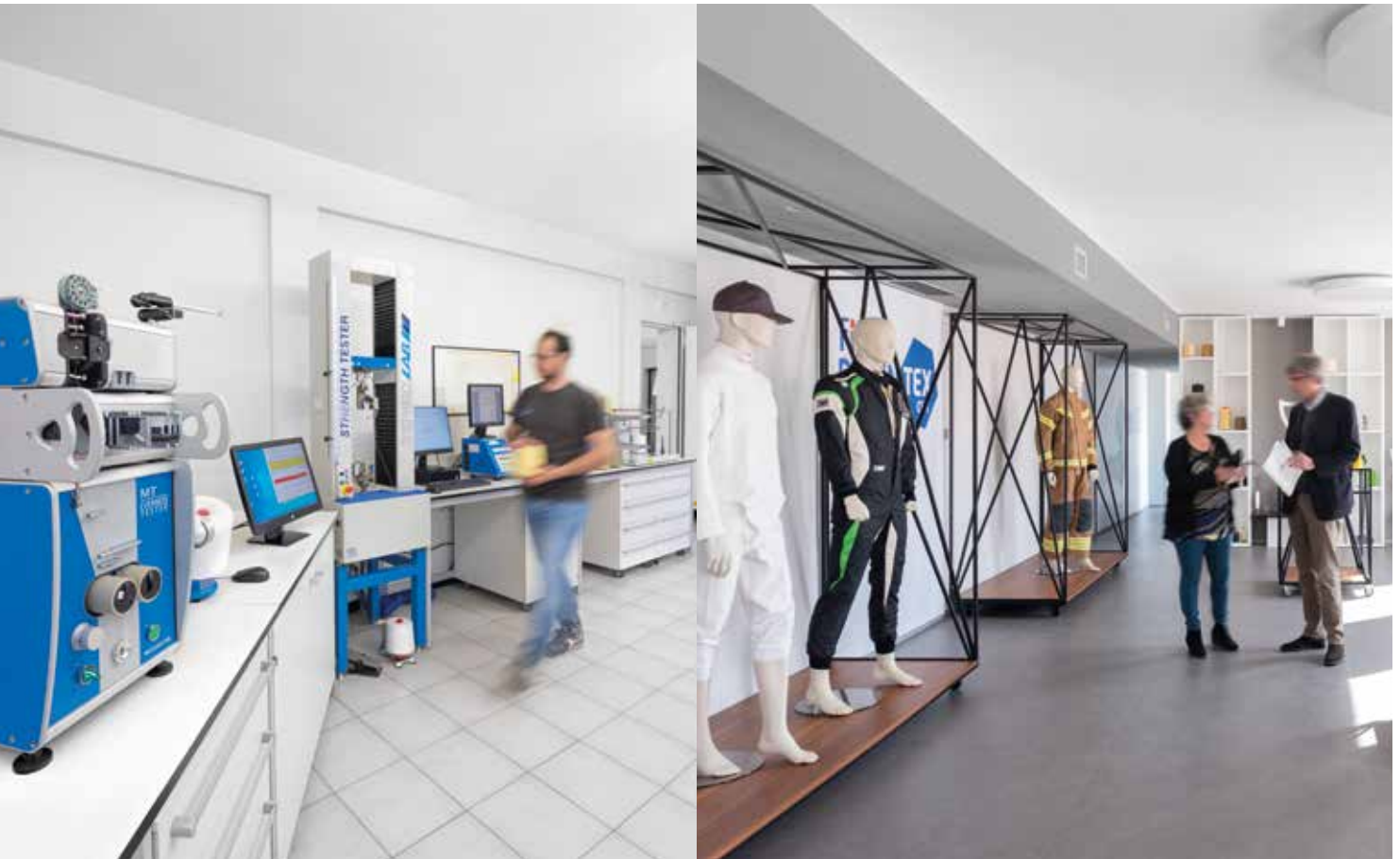
YARN LIST



_We Yarn |

We were born and raised in an Italian industrial district that became Europe's 3rd most productive (Dec 2018). We have utmost respect for our partners and we dedicate our resources to satisfy their demands with professionalism and high quality solutions.

Our proprietary stretch broken **yarn** manufacturing technology, where different raw materials are mixed, gives you the finest and most resistant spun yarn available. Our ability to engineer innovative blends allowed us to become premium partners with some of the best material companies around the world.



Safety —

We believe in **safety** above all. That's why we've been spinning safety solutions for over 30 years to meet the most demanding applications: from cut protection to fire protection. New solutions are constantly developed to solve for customer needs.



MULTIFUNCTION ENGINEERED YARN

Products created from the need to develop multi-purpose yarns. Filtes has the technology and the expertise to combine different yarns to produce high performance results.

Technology	Composition	Most standard count range
TopTwist®	Kevlar® Black/Steel	Nm 22, 36
TopTwist®	Dyneema® Diamond/Steel	Nm 22, 36
TopTwist®	Twaron®/Steel	Nm 22, 36
TopTwist®	Hppe/Steel	Nm 22, 36
Dynetex®	Dyneema®/Glass	Nm 9, 10, 12, 16
Dynetex® Steel	Kevlar® Black/Steel	Nm 11, 16
Dynetex® Steel	Dyneema® Diamond/Steel	Nm 11, 16
Dynetex® Steel	Twaron®/Steel	Nm 11, 16
Dynetex® Steel	Hppe/Steel	Nm 11, 16
Texcor	Pes/Glass	Dtex 165 - 660
Wrapped	Kevlar® Black/Glass X	Nm 30
Wrapped	Hppe/Steel	Dtex 600
Wrapped	Hppe/Pes/Glass X (for food industry)	Dtex 882
Wrapped	Hppe/Pes/Steel (for food industry)	Dtex 1100
Wrapped	Kevlar® Black/Cordura®	Nm 9
Wrapped	Kevlar®/Pa	Nm 24
Wrapped	Dyneema®/Pa	Nm 24
Wrapped	Para-Aramide Black/Tungsten	Nm 30
Corespun	Kevlar®/Modacrylic/Glass	Nm 9
Twisted	Dyneema®/Pa/Glass	Nm 12

Customized yarns on demand

BENEFITS

- suitable for sensitive skin
- moisture management
- heat resistance
- fire resistance
- fire barrier
- antistatic
- anti vandalism
- chemical resistance
- cut resistance
- abrasion resistance
- high tenacity
- softness, dexterity
- extreme comfort
- washable
- long lasting life

APPLICATIONS

- protection gloves
- protective uniforms
- glass industry
- automotive
- activewear
- sportswear
- food industry
- arc flash



ABRASION AND ANTICUT

The products in this cluster have exceptional resistance to abrasion and anticut qualities making them ideal for a wide range of applications. Filtes thanks to its partnership with the best material companies, offers a broad range of spun yarns featuring stretch broken technology in pure threads or in intimate blend composites with other threads which yield exceptional anticut performance.

Composition	Description	Most standard count range
100%	Dyneema®	Nm 10 - 100
100%	Dyneema® Black	Nm 10 - 100
37/63%	Dyneema®/Pa	Nm 10 - 100
100%	Dyneema® Diamond	Nm 10 - 80
Various	Dyneema® Diamond/Pa	Nm 10 - 80
100%	Hppe	Nm 10 - 100
37/63%	Hppe/Pa	Nm 10 - 100
30/70%	Dyneema®/Wool	Nm 10 - 100
20/40/40%	Dyneema®/Wool/Tencel	Nm 10 - 100
100%	Dyneema® Filament Flat and/or Uptwisted	Dtex 220, 440, 1760
100%	Dyneema® Black Filament Flat and/or Uptwisted	Dtex 1760
100%	Dyneema® Diamond Filament Flat and/or Uptwisted	Dtex 220, 440, 1760
100%	Dyneema® Diamond Black Filament Flat and/or Uptwisted	Dtex 1760
100%	Hppe Filament Flat and/or Uptwisted	Dtex 220, 440,1670

Customized yarns on demand

DYNEEMA® AND
DYNEEMA® DIAMOND
ARE ALSO AVAILABLE IN
THE **ECO-SUSTAINABLE**
BIO BASED VERSION

BENEFITS

- cut resistance
- abrasion resistance
- high tenacity
- softness
- dexterity
- extreme comfort
- washable
- long lasting life
- suitable for sensitive skin
- moisture management

APPLICATIONS

- protection gloves
- protective uniforms
- glass industry - automotive
- activewear
- sportswear
- braid
- conveyor belts
- concrete reinforcements
- packings
- technical socks
- motorbike denim



FIRE AND HEAT RESISTANCE

The yarns in this cluster can resist extremely high temperatures and for this reason are used in the production of protective clothing in all sectors where having flame-retardant and heat protection is essential.

BENEFITS

- heat resistance
- fire resistance
- high tenacity
- fire barrier
- antistatic
- chemical resistance
- anti vandalism
- cut resistance

APPLICATIONS

- protection apparel
- protection gloves
- firefighters
- transport seats
- braid
- conveyor belts
- packings/industrial gasket
- hoses
- racing

Our yarns are available raw-white and dyed, according to the specific fibre. our yarns are available with or without antistatic.

Composition	Description	Most standard count range
100%	Nomex® T450	Nm 10 - 140
100%	Nomex® N325	Nm 10 - 140
100%	Nomex® N324	Nm 10 - 140
Various	Nomex® Pigmented dyed	Nm 10 - 140
100%	Conex®	Nm 10 - 140
100%	Conex® Neo	Nm 10 - 140
Various	Conex® dope dyed	Nm 10 - 140
100%	Kevlar® natural yellow	Nm 10 - 140
100%	Kevlar® black dope dyed	Nm 10 - 140
100%	Twaron® natural yellow	Nm 10 - 140
100%	Twaron® black dope dyed	Nm 10 - 140
100%	MicroTwaron® natural yellow	Nm 10 - 140
100%	Technora® natural yellow	Nm 10 - 140
100%	Technora® black	Nm 10 - 140
95/5%	Meta/Para	Nm 10 - 140
Various	Meta/Para/Viscose FR	Nm 40 - 100
Various	Meta/Viscose FR	Nm 40 - 100
Various	Viscose FR/Meta/Pa 6.6	Nm 40 - 100
Various	Pbi® Gold	Nm 40 - 100
Various	Pbi® Black	Nm 40 - 100
Various	Pbi® LP	Nm 40 - 100
100%	Viscord FR HT	Nm 10 - 100
100%	Vectran®	Nm 10 - 100
100%	Kevlar® yellow natural Filament Flat and/or Uptwisted	Dtex 220, 440, 1100, 1670, 3300
100%	Kevlar® black dope dyed Filament Flat and/or Uptwisted	Dtex 1670
100%	Twaron® yellow natural Filament Flat and/or Uptwisted	Dtex 1670, 3300
100%	Technora® yellow natural Filament Flat and/or Uptwisted	Dtex 1670
100%	Technora® black dope dyed Filament Flat and/or Uptwisted	Dtex 1670
100%	Vectran® Filament Flat and/or Uptwisted	Dtex 1670
100%	Para-Aramide yellow natural Filament Flat and/or Uptwisted	Dtex 1100, 1670, 3300
100%	Panox®	Nm 5 - 50
70/30%	Panox® /Para-Aramide r-w and black dope dyed	Nm 5 - 100

Customized yarns on demand



SEWING THREADS

Our sewing threads meet the same protective requirements as the rest of the Filtes range. Filtes is at your disposal to study any product in 100%, intimate blends or composite threads to any final end-use, including yarns with elastan.

Composition	Description	Most standard count range
100%	Nomex [®] T450	Nm 40, 60, 70
100%	Kevlar [®]	Nm 28, 50
100%	Kevlar [®] Black dope dyed	Nm 28, 50
100%	Dyneema [®]	Nm 22, 50
45/55%	Kevlar [®] Steel	Nm 4, 5
45/55%	Kevlar [®] Black dope dyed/Steel	Nm 4, 5

Customized yarns on demand

BENEFITS

- high tenacity
- uv resistance
- chemical resistance
- washability
- long lasting life
- flex resistance
- high abrasion resistance
- heat resistance
- fire resistance

APPLICATIONS

- protection gloves
- protective uniforms
- automotive
- activewear
- transport seats
- fire fighters
- outdoor



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