



Light weight by design.
Engineered for durability.

2400N
TENSILE
STRENGTH

700N
TEAR
STRENGTH

CORDURA®

BIO-CIRCULAR
DYNEEMA®

IBQ-MEC-503

THE ULTIMATE LIGHTWEIGHT
REINFORCEMENT FOR SHOES,
BAGS & TECHNICAL GEAR

YOU DO. WE PROTECT.

X IBQ®
TEXTILES PROTECTING LIVES

PRODUCT CONCEPT

IBQ-MEC-503 is a lightweight 185 gsm ripstop fabric made from 62% PA Cordura® and 38% Bio-Circular Dyneema®, offering exceptional abrasion resistance, outstanding tear strength, and quick-drying performance. Ideal for shoes, bags, and garment reinforcement, it delivers maximum durability with minimal weight.

Available as a 3-layer laminated version, IBQ-MEC-503-TRC-WR adds a waterproof and breathable Polyurethane membrane with a Polyamide Tricot backing, increasing the weight to 265 g/m² for enhanced weather protection. An engineered matching seam tape is also available.



ABRASION RESISTANCE

High abrasion resistance, improving durability under repeated wear.



TENSILE STRENGTH

High tensile strength, improving resistance to breaking under tension.



TEAR STRENGTH

High tear strength, helping prevent the propagation of tears.



WATER REPELLENT

Spray test rating ISO 4-5 for WR and JRS-WR versions, and ISO 4 for CAM-DWR, according to EN ISO 4920.



WEIGHT

Low weight, enhancing mobility and user comfort.



SUSTAINABILITY

Bio-Circular Dyneema® for a lower environmental impact.

END USE RECOMMENDATION



EQUIPMENT



REINFORCEMENT



FOOTWEAR

TARGETTED END USES



WORKPLACE FABRICS



EMERGENCY RESPONSE FABRICS



MOUNTAIN & ADVENTURE FABRICS



TACTICAL FABRICS

FIBER COMPOSITION

2 FIBERS, 1 SYSTEM

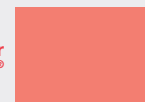
PA Cordura®



62%

Exceptional abrasion performance

Bio-Circular Black Dyneema®



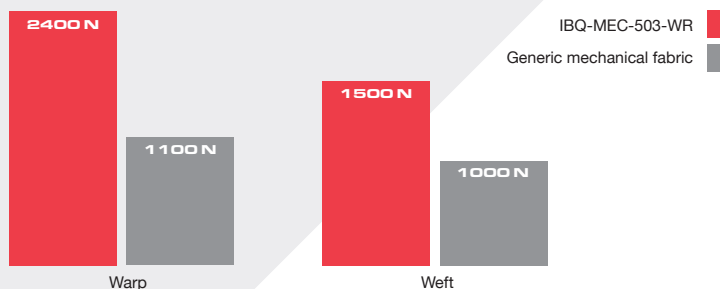
38%

Maximum strength with bio-circular sourced fibers

185 G/M TRUE RIP-STOP

TENSILE STRENGTH

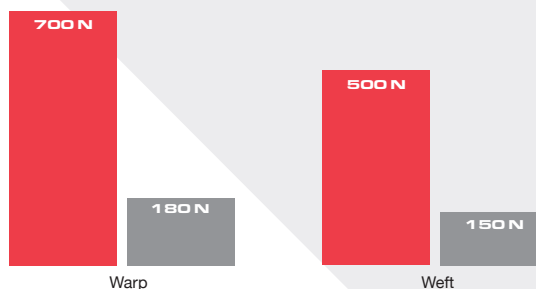
STANDARD: UNE-EN-ISO 13934-1



Delivering over 2 times the tensile strength of a generic mechanical fabric, the IBQ-MEC-503-WR combines outstanding mechanical performance with the durability required for the harshest operational conditions.

TEAR STRENGTH — TROUSER SHAPED

UNE-EN-ISO 13937-2



Compared with a generic mechanical fabric, the IBQ-MEC-503-WR delivers over three times greater tear strength, providing exceptional durability and reliability in demanding mechanical environments.



Scan this QR code to discover the full technical advantages of IBQ-MEC-503.

IBQ®
TEXTILES PROTECTING LIVES

**YOU DO.
WE PROTECT.**