



Maximum durability.
Minimal weight.

**CORDURA®
DURABILITY**

**DYNEEMA
STRENGTH**

**LIGHT WEIGHT
ULTIMATE
STRENGTH**

**EN 17092 AA
ZONE 2**

**250K
ABRASION**

IBQ-MEC-516

**WHERE CORDURA® MEETS
DYNEEMA®.**

YOU DO. WE PROTECT.

X IBQ®
TEXTILES PROTECTING LIVES

PRODUCT CONCEPT

IBQ-MEC-516 is a 190 gsm double face plain weave reinforcement fabric that combines Cordura® and Dyneema® to achieve an exceptional strength to weight ratio. Featuring a Cordura® face for superior abrasion resistance and a Dyneema® backing for enhanced tear strength, it delivers outstanding durability, and lightweight performance. Engineered for reinforcement applications in outdoor apparel, footwear, and bags, IBQ-MEC-516 provides reliable protection where durability is essential without compromising on weight.

Available in two different versions, IBQ-MEC-516 offers a versatile reinforcement platform for demanding outdoor applications. The standard version features a PFAS free Water Repellent (WR) finish, while the 3 Layer Tricot version incorporates a waterproof and breathable membrane with a polyamide tricot backing, increasing the fabric weight to 250 gsm for enhanced weather protection and comfort. An engineered matching seam tape is also available.



LIGHT WEIGHT
Optimized for lightweight performance in demanding applications.



ABRASION 250K
Cordura® is positioned on the face for improved abrasion resistance.



DURABILITY
Combining Cordura® and Dyneema® for outstanding and lasting performance in demanding environments.



TEAR RESISTANCE
Up to 500N in both Warp and Weft, according to EN ISO 13937-2



LAYER LAMINATED OPTION
IBQ-MEC-516-TRC-WR adds waterproof and breathable protection through a PU membrane and Polyamide tricot backing and engineered matching seam tape availability.

EXPERTISE THAT MAKES THE DIFFERENCE

The unique properties of Dyneema® make it extremely difficult to weave using conventional processes. IBQ is among the few manufacturers with the technical expertise to transform these advanced fibers into innovative fabrics that deliver unmatched lightweight performance and durability.

FIBER COMPOSITION 2 FIBERS, 1 SYSTEM

PA Cordura® 78%

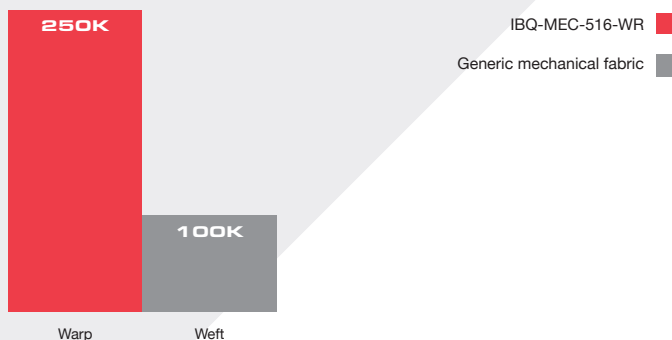
Exceptional abrasion performance

Black Dyneema 22%

Outstanding tear strength

190 G/M2 DOUBLE FACE-PLAIN WEAVE

ABRASION RESISTANCE UNE-EN-ISO 12947-2



EN ISO 12947-2 · Cycles to fabric breakdown

FIELDS OF APPLICATION



MOTORSPORTS



MOUNTAIN & ADVENTURE



WORKPLACE FABRICS

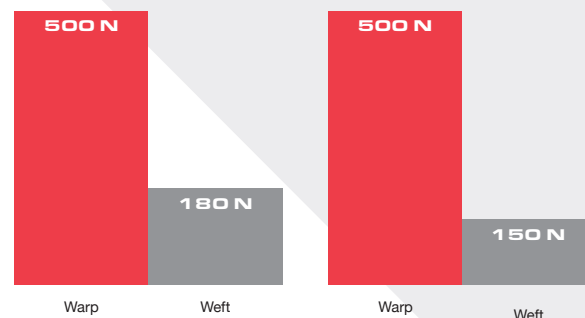


TACTICAL



EMERGENCY RESPONSE

TEAR STRENGTH-TROUSER SHAPED UNE-EN-ISO 13937-2



High tensile and tear strength for demanding outdoor, tactical and workwear applications.



Scan this QR code to discover the full technical advantages of IBQ-MEC-516.

IBQ®
TEXTILES PROTECTING LIVES

**YOU DO.
WE PROTECT.**