



Cord fabrics

Cord fabrics are used as textile reinforcements for rubber products, primarily in the automotive industry and especially in the tire production industry.

The performance of a tire depends entirely on its composition – a manufacturing process that requires a lot of know-how. The tire can only subsequently fulfill the stringent real-world demands when it is built with the right composition.

Worldwide well-known manufacturers use our cord fabrics in their tire construction. The primary requirement of our products is excellent adhesive properties of the textile. Only this allows a lasting bond between the cord and the rubber, resulting in a resilient tire, durable to fatigue and with a uniform performance.

Cord fabrics from MEP-OLBO thereby contribute significantly to comfort and safety when driving.

Another key field of application for our cord fabrics are airsprings, which are used in trucks, buses and passenger cars, e.g. for suspension and ride control systems. Here too, we supply our customers with rubber-compatible fabrics with precisely defined properties.

Based on decades of experience, we are constantly involved in developing our products in close coordination with our customers. We manufacture our cord fabrics both in standard quality and pursuant to customer's specifications.

Proved and tested worldwide

The MEP-OLBO group has made their mark worldwide as an expert in the development and production of treated yarns and fabrics for technical rubber products. Our products are in great demand in the most diverse segments. They are the result of intensive in-house research as well as developments together with our customers and suppliers. Innovative technology, a commitment to quality and continuous improvements guarantee the comprehensive performance of constantly increasing market requirements. Wherever rubber is processed into technical rubber products, MEP-OLBO textiles add the required strength to the final application. The product presented here is just one successful example of many others.

Technical Specifications

Raw Material: Polyamids

Cord Construction/dtex:

235 x 1 – 1400 x 4 x 3

Cord Density/10 cm: 420 – 46

Tensile Strength: 14 – 120 N

Treating: RFL treatment

Raw Material: Polyester

Cord Construction/dtex:

550 x 1 – 1100 x 5 x 5

Cord Density/10 cm: 330 – 45

Tensile Strength: 32 – 140 N

Treating: RFL treatment

Raw Material: Aramids

Cord Construction/dtex:

840 x 1 x 2 – 3360 x 1 x 3 x 3

Cord Density/10 cm: 110 – 40

Tensile Strength: 25 – 5200 N

Treating: RFL treatment

Raw Material: Rayon

Cord Construction/dtex:

1840 x 1 – 1840 x 2 x 3

Cord Density/10 cm: 130 – 60

Tensile Strength: 80 – 400 N

Treating: RFL treatment

Standard Program MEP-OLBO

Fabrics for special applications:

Further raw materials, constructions, treatments on demand

Applications:

Air springs, compensators, tires (bicycle, motor bikes, commercial vehicles), hoses, tubes, air cushions, tracks for dredgers, diggers and snow-mobiles, conveyor belts and reinforcements for further applications

Cord Raw Materials

- Polyamids
- Polyester
- Aramids
- Viscose, Rayon
- Kuralon
- PEEK
- Vectran
- Hybrid cords

Weft Yarns:

- Cotton
- Mehlerplast
- Polyamids

Yarns, Cord:

235 dtex – 34500 dtex

Yarns, weft:

118 dtex – 1000 dtex

Weaves: plain weave

Selvedge:

according to customer's needs

Treating:

- RFL-treated with VP-Dip
- RFL-treated with NBR-Dip
- RFL-treated with CR-Dip

Packaging:

- Fabrics width
100 cm to approx. 160 cm, treated, 39.3 to 63"
- Weight of fabric rolls up to 2 tons / 4.4 lbs

Wooden Shells:

Wooden shells with different inner square holes

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