

Conveyor belt fabrics

Conveyor belts play a crucial role wherever raw materials, parts and products have to be transported in mining, industry and commerce.

Our conveyor belt fabrics provide conveyor belts with the performance required by companies on all continents. These range from the mining to the automotive industry and even includes logistics centers.

Conveyor belts frequently convey loads weighing tonnes, especially in the mining sector, and are exposed to enormous stress on a daily basis. Therefore, the manufacturers of conveyor and transport belts specify differing requirements, depending on the application. Our experts maintain close contact with the users in order to ensure the required product quality.

Today, we rank as the world's leading manufacturer thanks to decades of experience and continuous development.

The conveyor belt manufacturers supplied by us expect precisely defined properties of our special fabrics. These include

- A high degree of uniformity approving the processing in multiple layers
- Defined elongation tolerances
- Extreme load capacities and fatigue resistance
- Durability and long-life cycle

We manufacture our conveyor belt fabrics both as standard quality and as individually developed types according to customer's requests.

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

A) Raw Materials:

Polyester	(E)
Polyamide	(P)
Viscose	(Z)
Cotton	(B)
Kuralon	(K)
Aramid	(D)
Polypropylene	(S)

Fabric Compositions:

EP, EE, EpP, E(P)P
 PP, PE, PZ
 EBPB, EPBPB, EBPZ
 Z
 B
 KP
 D, DEP, DEE, DPP
 S
 multifil/multifil
 multifil/monofil (0.25 – 0.80 mm)
 antistatic

B) Weaves:

from one to five layers

Weaves:

Plain
 Oxford
 Twill
 Broken Twill
 Duoply
 Monoply
 Straight Warp
 Leno Weave

C) Weights:

150 – 11000 g/m²
 4.4 oz/yd² to 325 oz/y²
EP: 150 – 2500 g/m²
 4.4 oz/yd² to 74 oz/y²
P: 150 – 1500 g/m²
 4.4 oz/y² to 44 oz/y²

Solid Woven:

2500 – 11000 g/m²
 74 oz/y² to 325 oz/y²

Straight Warp:

1000 – 4700 g/m²
 30 to 139 oz/y²

D) Belt Strength Classes:

EP 63 – EP 800
 P 80 – P 700
 Solid woven up to 2500
 Straight Warp up to 2500

E) Fabric Tensile Strength:

up to approx. 3000 N/mm
EP: approx. 62 N/mm – 1500 N/mm
P: approx. 100 N/mm – 1000 N/mm
Straight Warp:
 approx. 700 N/mm – 3000 N/mm
Monoply:
 approx. 700 N/mm – 3000 N/mm

F) Fabric Designs:

- **EP-Fabrics:**
Plain, Oxford, Twill, Broken Twill
e.g. EP, P, E, PE
- **Broken Twill:**
e.g. E(P)P, DEP, DPP
- **Straight Warp:**
e.g. EPP for substrate
- **Monoply:**
e.g. EBPB, EPBPB, PBPB
- **Duoply:** z. B. EBPZ, PBPZ
- **Leno Weaves:**
Breaker Fabrics
- **Selvedge:**
Fringe with leno

Technical Fabrics:

Liner fabrics for the conveyor belt and tire industry (multifil/monofil – multifil/multifil), leno weave for transverse armment, breaker fabrics with plain and leno weave, special fabric constructions for bearing, sieve plates and mats, etc.

Cable Cord for Traverse

Armement:

- Cable Cord out of Polyester, Polyamide
- 1880 x 3 x 4
 - 1880 x 3 x 5
 - 1880 x 4 x 6

RFL-Dipping:

Fabrics

Treating: Standard Impregnation

VP-Dip (15 – 25%) and CR-Dip (Chloroprene-Rubber-Latex) for SBR- and CR- Rubber, other RFL impregnations are available upon request.

Packaging:

- dipped width of fabrics from 80 cm – 280 cm / 31.5 – 110 “
- weight up to 2.5 to per fabric roll

Wooden Shells:

Wooden shells with different square holes or paperboard shells

MEP-OLBO GMBH

Edelzeller Straße 44
 36043 Fulda
 Germany

T +49 (0)661 103-0
 F +49 (0)661 103-666
 E info@mep-olbo.de
www.mep-olbo.de



MEP-OLBO

A company of KAP Beteiligungs-AG