



# Fabrics for special applications

Fabrics for special applications from MEP-OLBO are used in the production of high-quality products. Our fabrics are used as functional elements in the fields of personal protection, sport and recreation, as well as in the automotive industry, to name but a few. The spectrum of use ranges from textiles for life rafts, rubber dinghies, offshore hoses, snow cats, snow groomers and agricultural applications. Other applications also include base fabrics for bullet proof vests for the police and armed forces as well as textiles for special applications used in the most diverse fields.

Our customers place the most stringent requirements on these industrial fabrics. Thanks to many years of experience and high-performance machinery, we are able to completely fulfill every specification, no matter

how meticulous. In our production we only use high-quality raw materials, such as Aramid, which displays characteristics comparable with those of steel in regard to its extremely high strength.

Our special fabrics for the manufacture of life rafts and rubber dinghies also fulfill very high safety requirements. After all, the reliable quality of the used materials is vital in such applications.

Fabrics for special applications from MEP-OLBO are also required for reinforcing timing belts in the automotive industry and in the manufacture of diaphragms.

We produce both standard quality fabrics and fabrics based on 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

## Impression Fabric:

### Raw Materials:

Polyester, Polyamide, Rayon, Cotton

### Weights:

110 – 1100 g/m<sup>2</sup> | 3.2 to 32.5 oz/y<sup>2</sup>

### Treating:

grey fabric, heat set, calandered, acrylic resin, silicon

## Liner Fabric:

### Raw Materials:

Polypropylene as multifil, monofil, fibrillated tapes or spliced yarns

### Weights:

150 – 500 g/m<sup>2</sup> | 4.4 to 14.8 oz/y<sup>2</sup>

### Treating:

grey fabric, heat set, calandered

## Membrane Fabrics:

### Raw Materials:

Polyester, Polyamide, Aramide

### Weights:

200 – 850 g/m<sup>2</sup>

**Treating:** RFL-treated

## Transversal Stretch Fabrics/

### Fabrics elastic in weft direction:

**Raw Material:** Polyamide

### Weights:

200 – 500 g/m<sup>2</sup> | 5.9 to 14.8 oz/y<sup>2</sup>

**Treating:** RFL-treated

## Chafer Fabric:

**Raw Material:** Rayon, Polyamide

### Weights:

150 – 305 g/m<sup>2</sup> | 4.4 to 9 oz/y<sup>2</sup>

**Treating:** RFL-treated

## Textile reinforcement as monofile fabric:

**Raw Material:** Polyamide

### Weights:

65 – 110 g/m<sup>2</sup> | 1.9 to 3.2 oz/y<sup>2</sup>

### Treating:

grey fabric, heat set, RFL -treated

## Textile reinforcement as Breaker Fabric:

### Raw Materials:

Polyamide, Polyester, Rayon

### Weights:

55 – 400 g/m<sup>2</sup> | 1.6 to 11.8 oz/y<sup>2</sup>

**Treating:** RFL-treated

## Reinforcement produced out of spun yarns:

### Raw Materials:

Polyester, Cotton, Polyamide, Aramide, Viscose, Polyacryl and blends

### Weights:

50 – 1000 g/m<sup>2</sup> | 1.5 to 29.5 oz/y<sup>2</sup>

### Treating:

grey fabric, heat set, RFL-treated

## Reinforcement made out of filament yarns:

### Raw Materials:

Polyamide, Polyester, Aramide, Rayon, Polyacryl

### Weights:

50 – 1500 g/m<sup>2</sup> | 1.5 to 44.3 oz/y<sup>2</sup>

### Treating:

grey fabric, heat set, RFL-treated

### Raw Materials:

- Polyamide
- Polyester
- Aramide
- Viscose, Rayon
- Kuralon

- Polyacryl
- Polypropylene
- Cotton

### Yarn Strength:

167 dtex – 17000 dtex

### Twist Constructions:

up to 12 fold

### Weaves:

- plain weave
- rib weave
- twill weave
- leno weave
- atlas weave
- special weaves

### Treating:

- grey fabric
- heat set
- calandered
- acryl resin
- silicon
- RFL-treated with VP-Dip
- RFL-treated with NBR-Dip
- RFL-treated with CR-Dip

### Packaging:

- Fabric width from 80 to 280 cm, dipped – 31.5 to 110"
- Weight of fabric rolls up to 2 tons / 4.4 lbs.

### Wooden Shells:

Wooden shells with different inner square diameters or paperboard shells

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# MEP-OLBO

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