

Catalogue

- EP conveyor belt
- Nylon conveyor belt
- Oil resistant conveyor belt
- Cold resistant conveyor belt
- Muti ply conveyor belt
- Chevron pattern conveyor belt

www.rubber-products.com.mk



Rubber-Products

Rubber Palenzo – Electrolux Macedonia

Established in the year 1997 and has been in the business of manufacture mining / construction purpose conveyor belt, aviation / goods transportation conveyor belt, inclined conveyor belt, agricultural rubber conveyor belt, industrial rubber conveyor belt, industrial rubber sheet, chevron Belts, and Natural Rubber Sheets, ETC.

ISO 9000:2001 certification

In addition, our quality system has passed the certificate of ISO 9000:2001 , which is further a testimony to the quality of our working and products.

Quality first, then quantity

QingDao BothWin co., Ltd is totally committed towards offering excellent quality products and attaining total customer satisfaction. "Quality first, then quantity" is our factory's spirit, adhere to customer needs is marked with the needs of the business philosophy. A long lasting relationship with our esteemed clients is the live proof of the unmatched quality of products and services rendered by us.

Welcome

Welcome to contact Rubber-Products Electrolux Macedonia for more conveyor belt and rubber sheet information.



Polyester conveyor belts(EP)

Features:

Polyester conveyor belts, also called EP conveyor belts, whose tension resistant body is canvas woven by polyester in warp and nylon-66 in weft. The belts have the characteristics of low elongation in warp and good troughability in weft, good water resistance, good wet strength, no mould, suitable for medium, long-distance and heavy-load transportation of materials. Because of the high initial modulus of polyester, the belts can choose a relative low safety factor.



Specification:

| Fabric type | Fabric | Ply thickness (mm/P) | (N/mm) single fabric strength | Cover thickness (mm) | | Width mm | Length m |
|---------------------------------------------|-------------------|------------------------------------|-------------------------------------|----------------------------------------|-------|-------------------------------------------------|-------------|
| | specs | | | Upper | Lower | | |
| Polyester (EP) | EP-100 | 0.8 | 100 | 2.0~8 | 0~4.5 | 400-2000 | 20-300 |
| | EP-125 | 0.85 | 125 | | | | |
| | EP-150 | 0.9 | 150 | | | | |
| | EP-160 | 0.9 | 160 | | | | |
| | EP-200 | 1.05 | 200 | | | | |
| | EP-250 | 1.25 | 250 | | | | |
| | EP-300 | 1.35 | 300 | | | | |
| | EP-350 | 1.5 | 350 | | | | |
| | EP-400 | 1.8 | 400 | | | | |
| | EP-500 | 2 | 500 | | | | |
| Adhesion and elongation of the belt: | | | | | | | |
| Belt | Adhesive strdngth | | | Elongation | | | |
| carcass | Between plies | N/mm Between rubber and carcass | | Longitudinal elongation at break | | Longitudinal elongation at reference load | |

| | | | | | |
|----------|--------|------------------|------------------|-----|-----|
| | N/mm | Rubber thickness | Rubber thickness | %>= | %<= |
| | | <=1.5mm | >1.5mm | | |
| EPcanvas | >=4.50 | >=3.2 | >=3.5 | 10 | 4 |

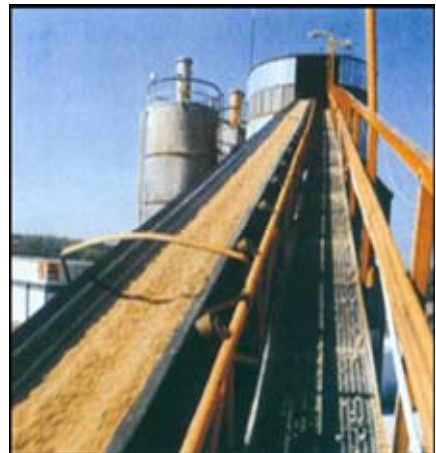
Cover properties of the belts:

| Cover grade | Tensile strength | | Elongation | Abrasion | Change Rate of tensile strength and elongation after aging |
|-------------|------------------|---------|------------|----------|------------------------------------------------------------|
| | >= | | >= | <= | |
| | Mpa | kgf/cm2 | % | mm3 | % |
| Heavy(H) | 24 | 240 | 450 | 120 | -25~+25 |
| Medium(M) | 18 | 180 | 400 | 100 | -25~+25 |
| Light(L) | 15 | 150 | 350 | 200 | -30~+30 |

Nylon conveyor belt

Features:

Conveyor belts with nylon canvas inside have the characteristics of thin belt body ,high tensile strength,good shock resistance,good troughability,high adhesion between plies,splendid flexibility and long working life.Nylon conveyor belts are suitable for medium,long-distance and heavy-load transportation of materials,widely used in mining ,metallurgical industry and architectural industry,ports and etc..



Specification:

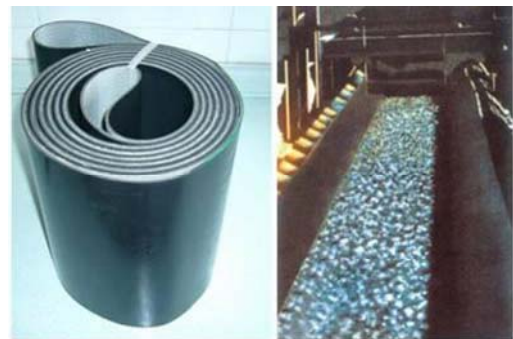
| Fabric type | Fabric specs | Ply thickness | (N/mm) single fabric strength | (mm)Cover thickness | | Width mm | Length m |
|-------------|--------------|---------------|-------------------------------|---------------------|-------|----------|----------|
| | | (mm/P) | | Upper | Lower | | |
| Nylon (NN) | NN-100 | 0.7 | 100 | 1.5-8 | 1-4.5 | 300-1800 | 20-300 |
| | NN-125 | 0.75 | 125 | | | | |
| | NN-150 | 0.8 | 150 | | | | |
| | NN-200 | 0.9 | 200 | | | | |

| | | | | | | | |
|---------------------------------------------|------------------|---------------------------------|------------------|----------------------------------|------------------------------------------------------------|--|--|
| | | | 250 | | | | |
| | NN-250 | 1.1 | | | | | |
| | | | | | | | |
| | | | | | | | |
| | NN-300 | 1.25 | 300 | | | | |
| | NN-350 | 1.35 | 350 | | | | |
| | NN-400 | 1.7 | 400 | | | | |
| | NN-500 | 1.8 | 500 | | | | |
| Adhesion and elongation of the belt: | | | | | | | |
| Belt | Adhesive strdngh | | | Elongation | | | |
| carcass | Between plies | N/mm Between rubber and carcass | | Longitudinal elongation at break | Longitudinal elongation at reference load | | |
| | N/mm | Rubber thickness | Rubber thickness | %>= | %<= | | |
| | | <=1.5mm | >1.5mm | | | | |
| Nylon canvas | >=4.50 | >=3.2 | >=3.5 | 10 | 4 | | |
| Cover properties of the belts: | | | | | | | |
| Cover grade | Tensile strength | | Elongation | Abrasion | Change Rate of tensile strength and elongation after aging | | |
| | >= | | >= | <= | | | |
| | Mpa | kgf/cm2 | % | mm3 | % | | |
| Heavy(H) | 24 | 240 | 450 | 120 | -25~+25 | | |
| Medium(M) | 18 | 180 | 400 | 100 | -25~+25 | | |
| Light(L) | 15 | 150 | 350 | 200 | -30~+30 | | |

Oil resistant conveyorbelt

Features:

The product is made of cotton canvas, nylon canvas or EP canvas and finished through the processes of calendaring, assembling, vulcanizing and etc. It is suitable for



conveying oily materials or working at oily site.

Specification:

| Grade | Tensile Strength | Elongation at Break | Maximum Abrasion Loss | Polymer / Rubber | Working Temperature Range | Application |
|----------------|------------------|---------------------|-----------------------|------------------|---------------------------|---------------------------------------------------------------------------------------------------------|
| Oil Resistance | Mpa | % Minimum | MM3 | | Degrees | |
| OR | 15 | 300% | 150 | NBR Blend | - 30 to + 60 | For materials like grains, refuse, woodchips, fertilizers coated with oil, coated coal / coke, etc. |
| MOR | 12 | 300% | 300 | NBR Blend | - 30 to + 50 | For materials with moderate amount of oil like grain, refuse, recycling waste, wood pulp, pinewood etc. |

Cold resistant conveyor belt

Features:

The product selects cotton canvas, nylon canvas or EP canvas as carcass .Cover rubber selects a blend of NR and BR, which has the properties of high elasticity, shock resistance, cold



resistance and etc. It can work normally under the conditions of -40°C.

Application:

Suitable for conveying materials outdoors in freezing areas, cold storage etc.

Technical indexes:

1. Cold resistant conveyor belt can be divided into three types, according to the properties of cover: Laceration

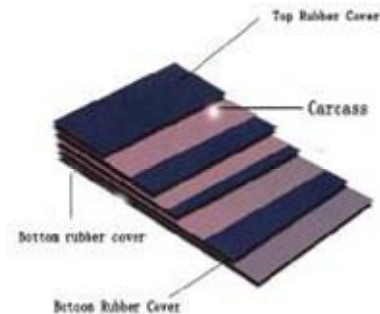
resistant type(H), Anti-abrasive type(D) and Ordinary type(L).

2. According to the different cold resistant, it can be divided into two types of C1 and C2 - Working temperature :-45-+50.

Multiply conveyor belt

CONSTRUCTION

Conveyor belt generally consists of cover rubber, carcass and rubber skim coat. The reinforced breaker fabric is used for extra protection.



COVER RUBBER

Covers of natural or synthetic rubber are designed to protect the carcass from abrasion, impact deterioration and other injurious influences. They are compounded to meet particular service conditions such as abrasion, oil, heat, fire, chemical resistant and antistatic etc.

CARCASS

Carcass of a belt maintains the belt tension and supplies structural strength, it does all of the work in supporting and pulling the load. Carcass consists of



multiple plies of rubber impregnated fabric bonded with friction and skim coats. The fabrics most commonly used are nylon, polyester and cotton, etc.

RUBBER SKIM COAT

An extra layer compound between plies that increases flex life and creates a more elastic bond so that plies flex without separation. Skim coats cushion fabrics against impact and help protect against moisture.

BREAKER FABRIC

A specially woven fabric between the cover and the carcass to improve adhesion and provide better resistance to cover stripping, gouging or tearing. This is normally used in belts handling primarily crushed and sized material which gives great impact to the belt when lumps drop at a loading point.

Chevron pattern conveyor belt

Application:

C5, C15

Suitable for conveying grain or powder materials and can work with an obliquity less than 40 degrees.



Characteristics:

- Slip resistant