CONVEYOR BELT

QUALITY

SUITABLE

STRENGTH

LONG LIFE

ECONOMIC

COMMITMENT

GOOD DELIVERY
# Steel Cord Properties

## STEEL CORD PROPERTIES

<table>
<thead>
<tr>
<th>No.</th>
<th>Belt Strength</th>
<th>Belt Width</th>
<th>Feature</th>
</tr>
</thead>
</table>
| 1.  | ST 630 to ST 5400 | 600 mm to 2600 mm | 1. Low Elongation  
2. High tensile strength  
3. Small diameter for drive pulley  
4. High adhesion between rubber and steel cord  
5. Good trough ability  
6. Heavy load transportation |

### Special Inspection:

Inspection of the belt with X-ray. The user can x-ray to inspect damages of the selection, the steel cord on the conveyor to prevent accidents.

## Fabric Type and Properties

### STEEL CORD PROPERTIES

<table>
<thead>
<tr>
<th>No.</th>
<th>Fabric Type</th>
<th>Tensile / Ply</th>
<th>Belt width</th>
<th>Feature</th>
</tr>
</thead>
</table>
| 1.  | NYLON FABRIC  
Nylon - Nylon ( NN ) | NN 80 to NN 630 | 300 mm to 2600 mm | 1. High abrasion resistance  
2. High tensile strength  
3. Good fatigue resistance  
4. Good shock resistance  
5. Good trough ability  
6. High adhesion between plies  
7. Splendid flexibility and long working life |
| 2.  | POLYESTER FABRIC  
Polyester - Nylon ( EP ) | EP 80 to EP 630 | 300 mm to 2600 mm | 1. Long elongation in warp  
2. Good trough ability  
3. Good water resistance  
4. Good wet resistance  
5. No mold, it is suitable for medium heavy load transportation |

### SPECIAL CARCAS

<table>
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<tr>
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<th>Belt width</th>
<th>Feature</th>
</tr>
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</table>
| 3.  | COTTON  
Cotton - Cotton ( CC ) | CC-56 | 300 mm to 2600 mm | 1. Good in chemical fastening  
2. Elongation in relatively low  
3. Good adhesion with rubber  
4. Small distortion under high temperature  
5. Suitable for short distance and light load transportation |
| 4.  | POLYESTER COTTON  
Polyester - Cotton ( TC ) | TC-56 | 300 mm to 2600 mm | 1. Better shock resistance  
2. Especially the belt body is thinner and lighter  
3. Can reduce energy  
4. Short distance and medium load |
Laboratory Facility

Good Quality product must fulfill:
1. Raw material should be tested
2. Man power capability
3. Good processing and precision
4. Product testing
5. Quality management system

Automatic weighing and Batching raw material

Abrasion testing device

Multi cell aging oven

Laboratory test of tensile strength

Test on resilience to impact load

Cover Rubber Selection

<table>
<thead>
<tr>
<th>GRADE</th>
<th>ELONGATION at BREAK (%)</th>
<th>MIN. TENSILE (kg/cm²)</th>
<th>MAX. SURFACE TEMP. (°F)</th>
<th>FEATURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>475</td>
<td>135</td>
<td>176</td>
<td>Standard such as DIN, BS, etc. are all available</td>
</tr>
</tbody>
</table>
| Grade - M     | 500                     | 255                   | 176                     | 1. High tension conveyor belt
2. Superior in abrasion resistance
3. Cut and gouge resistance
4. Suitable for conveying large limps
5. Sharf and rugged material |
| Grade - N     | 500                     | 205                   | 176                     | 1. Superior in abrasion resistance
2. For general conveyor                                                   |
| Heat Resistance | 500                   | 140                   | 248                     | 1. Good heat resistance
2. Good industries metallurgy, cement, steel coking, etc.               |
| High Temp. Resistance | 300             | 120                   | 356                     | 1. High adhesion
2. Low elongation
3. High temperature
4. Good industries metallurgy, cement, steel coking, etc.               |
| Chemical Resistance | 300             | 205                   | 176                     | 1. Good elasticity
2. Excellent trough ability
3. Low elongation
4. The fine anti chemical corrosiveness
5. Good physical properties                                              |
| Oil Resistance | 300                     | 205                   | 176                     | 1. Oil resistance
2. Anti abrasive for conveying oily material                             |
| Cold Resistance | 300                     | 205                   | 122                     | 1. Working temperature -140°F - 122°F
2. Cold resistance and Anti abrasive                                     |
Special Product Range

1. Patterned Conveyor Belt  
   (V-Cleated)
   Belt Width: 300 - 1200 mm
   - Over degree for incline conveyor
   - Fine material and highspeed

2. Raised Edge Conveyor Belt  
   (Flexowel Belt)
   Belt Width: 300 - 1050 mm
   - The transmission angle is 0°-90° and small area

3. Bucket Elevator Belt
   Belt Width: 300 - 900 mm
   - Low elongation
   - Vertical conveyor

4. Rubber Lagging
   - Hot Bounding
   - Cold splicing
   - Pulley Lagging
   - Idler Lagging
   - Chute and hopper layer

Semi - Circular Rubber Fender
1. Low reaction force, less surface pressure and reasonable capability of energy absorption
2. Good adaptability of transverse and longitudinal shake of ship during mooring
3. Wide range application

Cylindrical Rubber Fender
1. With reasonable reaction it may absorb more energy that of cylindrical type
2. Convenient installation
3. It is usually for docks of frame work type and ships due to the small size of bottom width

Super Rubber Fender
1. Large design compression amount, high energy low reaction force
2. Reasonable structure and long service life
3. Easy to replace installation
• CLAY
• COAL
• LIMESTONE
• SHALE
• WOOD CHIPS
• GYPSUM
Great Belt was founded in 1990 in the West Virginia, USA. With the fixed assets worth of USD 198,000,000. It is a belt base with the products research, design development, sales, after service and production.

Our company cover 110,000 square meter, including 89,000 square of building area. there are approximately 800 employees including 50 technicians.

It mainly produces the product under the brand of GREAT BELT such as rubber belt, whose output is 8,000,000 square meter annually, it was awarded as “National Product Exempt From Inspection”. it also passed the quality authentication of ISO 9001:2000. Passed the production permit and quality authentication.

The conveyor belt that mainly produce are general use conveyor belt, nylon conveyor belt, Polyester conveyor belt, heat resistant conveyor belt, oil resistant conveyor belt, chemical resistant belt, foodstuff conveyor belt, steel cord conveyor belt and endless conveyor belt.

All the product which are strictly carried out the national standard, are with great tensile strength, low elongation, great abrasion proof, het and cold resistance, corrosion resistance and long life.