### Product Designation

<table>
<thead>
<tr>
<th>Product Group:</th>
<th>High duty conveyor and processing belts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Sub-Group:</td>
<td>Rubber conveyor and processing belts</td>
</tr>
<tr>
<td>Main Industry Segments:</td>
<td>Materials Handling; Packaging; Paper manufacturing and processing; Wood</td>
</tr>
<tr>
<td>Belt Applications:</td>
<td>General conveying belt; Paper handling belt</td>
</tr>
<tr>
<td>Special Features:</td>
<td>Abrasion resistant; Constant coefficient of friction; High friction surface; Oil resistant</td>
</tr>
<tr>
<td>Mode of Use/Conveyance:</td>
<td>Declined; Horizontal; Inclined</td>
</tr>
</tbody>
</table>

### Product Design (enlarged)

![Product Design Image]

### Product Construction/Design

<table>
<thead>
<tr>
<th>Conveying Side (Material):</th>
<th>Acrylonitrile-Butadiene-Rubber (NBR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveying Side (Surface):</td>
<td>Rough textile structure</td>
</tr>
<tr>
<td>Conveying Side (Property):</td>
<td>Adhesive</td>
</tr>
<tr>
<td>Conveying Side (Color):</td>
<td>Green</td>
</tr>
<tr>
<td>Traction Layer (Material):</td>
<td>Polyamide (PA)</td>
</tr>
<tr>
<td>Number of Fabrics:</td>
<td>3</td>
</tr>
<tr>
<td>Running Side/Pulley Side (Material):</td>
<td>Polyurethane cross-linked (PUR)</td>
</tr>
<tr>
<td>Running Side/Pulley Side (Surface):</td>
<td>Impregnated fabric</td>
</tr>
<tr>
<td>Running Side/Pulley Side (Color):</td>
<td>Black</td>
</tr>
</tbody>
</table>

### Product Characteristics

<table>
<thead>
<tr>
<th>Slider bed suitable:</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carrying rollers suitable:</td>
<td>Yes</td>
</tr>
<tr>
<td>Power turns, curved installations:</td>
<td>No</td>
</tr>
<tr>
<td>Nosebar suitable:</td>
<td>No</td>
</tr>
<tr>
<td>Permanently antistatic:</td>
<td>Yes</td>
</tr>
<tr>
<td>Metal detector suitable:</td>
<td>No</td>
</tr>
<tr>
<td>Flammability:</td>
<td>No specific flammability prevention property</td>
</tr>
<tr>
<td>Food suitability, FDA conformance:</td>
<td>No</td>
</tr>
<tr>
<td>Food suitability, USDA recommendations:</td>
<td>Not conformable</td>
</tr>
<tr>
<td>Food suitability, EU conformance:</td>
<td>No</td>
</tr>
</tbody>
</table>
**Technical Data**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness</td>
<td>3.0 mm</td>
</tr>
<tr>
<td>Mass of belt (belt weight)</td>
<td>3.2 kg/m²</td>
</tr>
<tr>
<td>Nosebar Radius (minimum)</td>
<td>NA mm</td>
</tr>
<tr>
<td>Pulley diameter (minimum)</td>
<td>40 mm</td>
</tr>
<tr>
<td>Pulley diameter minimum with counter friction</td>
<td>50 mm</td>
</tr>
<tr>
<td>Tensile force for 1% elongation (k1% static)</td>
<td>10 N/mm</td>
</tr>
<tr>
<td>Tensile force for 1% elongation (k1% relaxed)</td>
<td>3.5 N/mm</td>
</tr>
<tr>
<td>Admissible tensile force per unit of width</td>
<td>20 N/mm</td>
</tr>
<tr>
<td>Operating temperature admissible (continuous)</td>
<td>Min 0 °C</td>
</tr>
<tr>
<td>Coefficient of friction on slider bed of pickled steel sheet</td>
<td>0.20 [-]</td>
</tr>
<tr>
<td>Seamless manufacturing width</td>
<td>2400 mm</td>
</tr>
</tbody>
</table>

All data are approximate values under standard climatic conditions: 23°C/73°F, 50% relative humidity (DIN 50005/ISO 554), and are based on the Master Joining Method.

**Additional Technical Information**

- **Chemical Resistance Class:** 2 (These indications are not guarantees of properties)
- **Installation and Handling Instructions:** Do not go below initial tension (epsilon) ~0.5%.; Install the slack belt and tension until running perfectly under the full belt load.
- **Limitations:** This product has not been tested according to ATEX standards (atmospheres with explosion risk - ATEX 95 regulation or EU directive 94/9) and therefore is subject to user’s analysis in the respective environment.

**Legend**

*  No calculation Value
1) No further authoritative acceptance since elimination of prior approval procedure of September 24, 1997, from USDA authority
2) Product containing different coating materials such as elastomer, natural fibers, silicones, etc., are not subject to the directive 2002/72/EC
3) CLA: Coordination of the centre line-average value Ra (in the US also Arithmetical Average (AA)) to the maximum peak to valley height Rt for surfaces manufactured by chip removal.
8) Due to high coefficient of friction of running/pulley side, the suitability for use on slider beds is limited

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