

# Technical datasheet

## CeNit® EP 630/4 2:2 T2

| Belt Dimension              | Specification | Unit              | Test Standard  | Tolerances          |
|-----------------------------|---------------|-------------------|----------------|---------------------|
| Belt width [B1]*            | n.a.          | mm                | DIN 22102      | ± 5 mm**            |
| Total thickness [T1]        | 8.0           | mm                | DIN EN ISO 583 | ± 1 mm***           |
| Top cover thickness [T2]    | 2.0           | mm                | DIN EN ISO 583 | + free/- 0.2 mm**** |
| Bottom cover thickness [T3] | 2.0           | mm                | DIN EN ISO 583 | + free/- 0.2 mm**** |
| Belt weight                 | about 8.6     | kg/m <sup>2</sup> |                |                     |

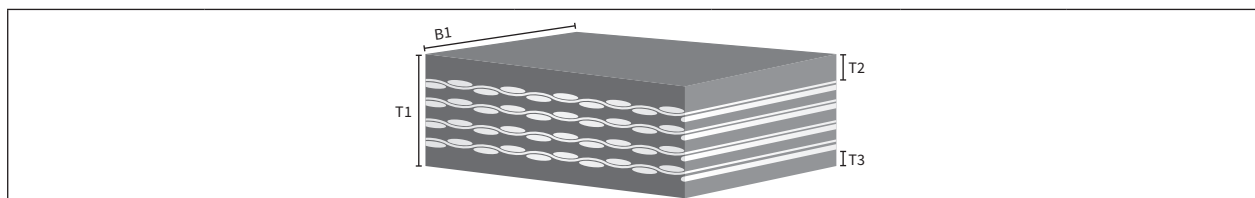
| Belt Test                             | Specification | Unit | Test Standard  | Tolerances   |
|---------------------------------------|---------------|------|----------------|--------------|
| Tensile strength                      | 630           | N/mm | DIN 22102      | min.         |
| Elongation at 10% of tensile strength | 2.5           | %    | DIN EN ISO 283 | max.         |
| Elongation at break                   | 12            | %    | DIN 22102      | min.         |
| Width of solid edges                  | cut edges     |      | DIN 22102      | not relevant |

| Cover Rubber Test                   | Specification                              | Unit                                  | Test Standard  | Tolerances |  |
|-------------------------------------|--|---------------------------------------|----------------|------------|--|
| Tensile strength <sup>(1)</sup>     | 18   | N/mm <sup>2</sup>                     | DIN 53504      | min.       |  |
| Elongation at break <sup>(2)</sup>  | 400  | %                                     | DIN 53504      | min.       |  |
| Abrasion                            | 120  | mm <sup>3</sup>                       | DIN ISO 4649   | max.       |  |
| Hardness                            | 61   | °ShA                                  | DIN ISO 7619-1 | ± 5        |  |
| After aging:<br>168 hours at 175 °C | Changes of tensile strength <sup>(1)</sup> | - 30<br>(min. 12 N/mm <sup>2</sup> )  | %              | DIN 22102  |  |
|                                     | Changes of elongation <sup>(2)</sup>       | n.a.<br>(min. 200 N/mm <sup>2</sup> ) | %              | DIN 22102  |  |
| Electrical surface resistance       | 3·10 <sup>8</sup>                          | Ω                                     | DIN EN ISO 284 | max.       |  |

| Adhesion Test            | Specification | Unit | Test Standard  | Tolerances |
|--------------------------|---------------|------|----------------|------------|
| Top cover to first ply   | 3.5           | N/mm | DIN EN ISO 252 | min.       |
| Ply to ply               | 5.0           | N/mm | DIN EN ISO 252 | min.       |
| Bottom cover to last ply | 3.5           | N/mm | DIN EN ISO 252 | min.       |

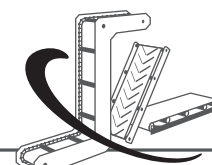
| Pulley Diameter         | Specification | Unit | Test Standard | Tolerances |
|-------------------------|---------------|------|---------------|------------|
| Minimum pulley diameter | 500           | mm   |               | min.       |

| Additional Properties   | Legend                |
|---|-----------------------|
| <ul style="list-style-type: none"> <li>› The conveyor belt is ozone-resistant</li> <li>› Suitable for ambient temperatures from -25°C to +100°C (material max. 150°C)</li> <li>› Production according REACH guidelines</li> </ul> | n.a. = not applicable |



Product-related special properties could be tested in the in-house laboratory (if necessary own separate and DIN deferring test method could be specified).  
 \*max. belt width: 1.600 mm; \*\*up to 500 mm belt width, above 500 mm belt width applies ± 5 mm; \*\*\*up to 10 mm belt thickness, above 10 mm belt thickness ± 10% applies, \*\*\*\*up to 4 mm cover thickness, above 4 mm cover thickness ± 5 % applies.

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rubber  
conveyor belts