# Technical datasheet

## CeNit® EP 1600/5 + RC 8:3 Y

| Belt Dimension | Specification | Unit | Test Standard | Tolerances |
|---|---|---|---|---|
| Belt width [B1]* | 1.200 | mm | DIN 22102 | ±5 mm** |
| Total thickness [T1] | 21.0 | mm | DIN EN ISO 583 | ±1 mm*** |
| Top cover thickness [T2] | 9.0 | mm | DIN EN ISO 583 | +free/-0.2 mm**** |
| Bottom cover thickness [T3] | 3.0 | mm | DIN EN ISO 583 | +free/-0.2 mm**** |
| Belt weight | about 25.7 | kg/m² | | |

| Belt Test | Specification | Unit | Test Standard | Tolerances |
|---|---|---|---|---|
| Tensile strength | 1.600 | N/mm | DIN 22102 | min. |
| Elongation at 10 % of tensile strength | 3.0 | % | DIN EN ISO 283 | max. |
| Elongation at break | 12 | % | DIN 22102 | min. |
| Width of solid edges | cut edges | mm | DIN 22102 | max. |

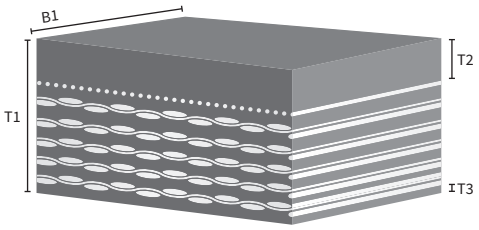
| Cover Rubber Test | | Specification | Unit | Test Standard | Tolerances |
|---|---|---|---|---|---|
| Tensile strength(1) | | 20 | N/mm² | DIN 53504 | min. |
| Elongation at break(2) | | 400 | % | DIN 53504 | min. |
| Abrasion | | 130 | mm³ | DIN ISO 4649 | max. |
| Hardness | | 60 | °Sh A | DIN ISO 7619-1 | ±5 |
| After aging: 168 hours at 70 °C | Changes of tensile strength(1) | ±25 | % | DIN 22102 | |
| | Changes of elongation(2) | ±25 | % | DIN 22102 | |
| Electrical surface resistance | | $3 \cdot 10^8$ | Ω | DIN EN ISO 284 | max. |

| Adhesion Test | Specification | Unit | Test Standard | Tolerances |
|---|---|---|---|---|
| Top cover to first ply | 4.5 | N/mm | DIN EN ISO 252 | min. |
| Ply to ply | 5.0 | N/mm | DIN EN ISO 252 | min. |
| Bottom cover to last ply | 4.5 | N/mm | DIN EN ISO 252 | min. |

| Pulley Diameter | Specification | Unit | Test Standard | Tolerances |
|---|---|---|---|---|
| Minimum pulley diameter | 1.000 | mm | | min. |

| Additional properties | Specification | Unit | Legend |
|---|---|---|---|
| Type of additional steal cord breaker, cover | RC (Rib check) | | n.a. = not applicable |
| Filament, outer diameter | 1.19 | mm | |
| Filaments, pitch | 7.3 | mm | |

› The conveyor belt is ozone-resistant.
› Appropriated for the operations with ambient temperatures of - 40 °C up to + 60 °C (material max. + 80 °C).




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: 2000 mm; **up to 500 mm belt width, above 500 mm belt width applies ± 1 % ; ***up to 10 mm belt thickness, above 10 mm belt thickness ± 10 %; ****up to 4 mm cover thickness, above 4 mm cover thickness ± 5 % applies.

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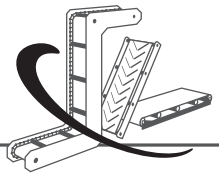

rubber conveyor belts

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