

Technical Data Sheet Semperit Elevatorbelt „Y“ Quality

High-Grade, abrasion-resistant elevatorbelts with excellent mechanical stability. Suitable for conveying high-abrasive material as: sand, lime, minerals, non-fat concentrated feed and agricultural products, glas, salt, gravel, steel-grit and dry chemical products

| Characteristics | Standard | Unit | 400/3 | 500/4 | 630/4 | 800/5 | 1000/5 | 1250/5 |
|-------------------------------------------|-----------|-----------------|----------|----------|----------|----------|-----------|---------|
| Belt Rating | DIN 22102 | mm | EP 400 | EP 500 | EP 630 | EP 800 | EP 1000 | EP 1250 |
| Thickness Cover A | ISO 583 | mm | 2 | 2 | 2 | 2 | 2 | 2 |
| Thickness Cover B | ISO 583 | mm | 2 | 2 | 2 | 2 | 2 | 2 |
| Belt Thickness (+/-1) | ISO 583 | Mm | 6,4 | 7,4 | 8,2 | 9,5 | 10 | 10,8 |
| Belt weight ca. | | kg/qm | 7,35 | 8,57 | 9,75 | 11,20 | 11,80 | 12,65 |
| Carcass | | | | | | | | |
| Number of plies | | | 3 | 4 | 4 | 5 | 5 | 5 |
| Warp (Polyester) | | | | | | | | |
| Weft (Polyamid) | | | | | | | | |
| Cover Rubber | | | | | | | | |
| Tensile strength | ISO37 T2 | MPa | min 20 | min 20 | min 20 | min 20 | min 20 | min 20 |
| Elongation at break | ISO37 T2 | % | min 400 | min 400 | min 400 | min 400 | min 400 | min 400 |
| Abrasion | ISO 4649 | mm ³ | max 150 | max 150 | max 150 | max 150 | max 150 | max 150 |
| Hardness (+/-5) | ISO 37 T2 | Shore A | 65 | 65 | 65 | 65 | 65 | 65 |
| Adhesion | | | | | | | | |
| Cover A | ISO 252 | N/mm | min.4,5 | min.4,5 | min.4,5 | min.4,5 | min.4,5 | min.4,5 |
| Cover B | ISO 252 | N/mm | min.4,5 | min.4,5 | min.4,5 | min.4,5 | min.4,5 | min.4,5 |
| Ply to ply | ISO 252 | N/mm | min.5 | min.5 | min.5 | min.5 | min.5 | min.5 |
| Breaking strength of Conveyor belt | | | | | | | | |
| In warp direction | ISO 283 | N/mm | min. 400 | min. 500 | min. 630 | min. 800 | min. 1000 | min1250 |
| Elongation under reference load (10%) | ISO 283 | % | max.1,5 | max.1,5 | max.2,5 | max.2,5 | max.2,5 | max.2,5 |

Additional Information

**Antistatic acc. ISO 284: < 300 M Ohm
Temperature resistant up to: 80° C
Sealed edges**

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Stand
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