



**TECHNICAL SPECIFICATIONS - POLYSUR® TYPE 275**

|                                                                                                                    | Unit/Testing standard | 500/3     | 630/4     | 800/4     | 1000/5    | 1250/5    |
|--------------------------------------------------------------------------------------------------------------------|-----------------------|-----------|-----------|-----------|-----------|-----------|
| <b>Construction</b>                                                                                                |                       |           |           |           |           |           |
| Carcass type                                                                                                       |                       | EP        | EP        | EP        | EP        | EP        |
| Warp                                                                                                               |                       | Polyester | Polyester | Polyester | Polyester | Polyester |
| Weft                                                                                                               |                       | Polyamid  | Polyamid  | Polyamid  | Polyamid  | Polyamid  |
| Textile plies                                                                                                      |                       | 3         | 4         | 4         | 5         | 5         |
| Type per ply                                                                                                       |                       | EP 160    | EP 160    | EP 200    | EP 200    | EP 250    |
| Belt thickness nom.                                                                                                | mm                    | 6         | 7,2       | 8,3       | 10        | 12        |
| Rubber covers top nom.                                                                                             | mm                    | 1,0       | 2,0       | 2,0       | 2,0       | 2,0       |
| Rubber covers bottom nom.                                                                                          | mm                    | 1,0       | 2,0       | 2,0       | 2,0       | 2,0       |
| Belt weight nom.                                                                                                   | kg/m <sup>2</sup>     | 7,3       | 9,3       | 10,8      | 11,5      | 15,9      |
| <b>Properties</b>                                                                                                  |                       |           |           |           |           |           |
| Tensile strength                                                                                                   | N/mm                  | >500      | >630      | >800      | >1000     | >1250     |
| Elongation at break                                                                                                | %                     | >10       | >10       | >10       | >10       | >10       |
| Elongation at 10% working load                                                                                     | %                     | <1,5      | <1,5      | <1,5      | <1,5      | <1,5      |
| Adhesion covers - plies                                                                                            | N/mm                  | >6        | >6        | >6        | >6        | >6        |
| Adhesion between plies                                                                                             | N/mm                  | >6        | >6        | >6        | >6        | >6        |
| <b>Rubber properties</b>                                                                                           |                       |           |           |           |           |           |
| Type of rubber                                                                                                     | Polymer               | NBR       | NBR       | NBR       | NBR       | NBR       |
| Oil and fat resistance                                                                                             |                       | very good | very good | very good | very good | very good |
| Swelling in oil IRM 903                                                                                            | 72u / 70° C.          | <8        | <8        | <8        | <8        | <8        |
| Tensile strength                                                                                                   | Mpa                   | >14       | >14       | >14       | >14       | >14       |
| Elongation                                                                                                         | %                     | >350      | >350      | >350      | >350      | >350      |
| Hardness (+/- 5°)                                                                                                  | ° Shore A             | 65 +/- 5  | 65 +/- 5  | 65 +/- 5  | 65 +/- 5  | 65 +/- 5  |
| Abrasion resistance                                                                                                | mm <sup>3</sup>       | <170      | <170      | <170      | <170      | <170      |
| <b>Additional properties</b>                                                                                       |                       |           |           |           |           |           |
| Temperature dry, low fat product                                                                                   | °C.                   | -25/+100  | -25/+100  | -25/+100  | -25/+100  | -25/+100  |
| Temperature fat and/or moist product                                                                               | °C.                   | -25/+70   | -25/+70   | -25/+70   | -25/+100  | -25/+70   |
| Anti-static <3.10 <sup>8</sup>                                                                                     | Ω ISO                 | yes       | yes       | yes       | yes       | yes       |
| Flame retardant                                                                                                    | ISO conform           | no        | no        | no        | no        | no        |
| Minimum pulley diameter                                                                                            |                       | 300 mm    | 400 mm    | 450 mm    | 500 mm    | 600 mm    |
| Testing norm in accordance with DIN22102, ISO 37, 251, 252, 283, 284, 340, 583, 868, 13934, 2781, 4649, 7619, 9856 |                       |           |           |           |           |           |

Shown values are average values.

**POLYSUR®  
TYPE 275 NBR  
OIL- AND FAT  
RESISTANT QUALITY**

This belt quality is very good oil and fat resistant and is especially designed for use in combination with agricultural products and animal feed. This elevator belt is suitable for conveying products containing vegetable and animal oils and fats and low concentrations of acids, lyes and chemicals.

**APPLICATIONS**

- raw materials for animal feed
- grains

**AVAILABLE FROM STOCK**

- EP 500/3 1,5+1,5 mm
- EP 630/4 2,0+2,0 mm
- EP 800/4 2,0+2,0 mm
- EP 1000/5 2,0+2,0 mm
- EP 1250/5 2,0+2,0 mm

Other constructions available on request.

Polysur® elevator belts are provided with a Polysur® logo after each 20 meter of elevator belt.

*Not legally binding - subject to change and terms. Version 2017 / 1.4*



**YOUR TRADEMARK  
FOR RELIABLE  
ELEVATOR BELTS**

