



**TECHNICAL SPECIFICATIONS - POLYSUR® TYPE 275-K**

	Unit/Testing standard	630/4	800/4	1000/5
<b>Construction</b>				
Carcass type		EP	EP	EP
Warp		Polyester	Polyester	Polyester
Weft		Polyamid	Polyamid	Polyamid
Textile plies		4	4	5
Type per ply		EP 160	EP 200	EP 200
Belt thickness nom.	mm	7,6	8,7	11,2
Rubber covers top nom.	mm	2,0	2,0	2,0
Rubber covers bottom nom.	mm	2,0	2,0	2,0
Belt weight nom.	kg/m <sup>2</sup>	9,8	11,9	15,6
<b>Properties</b>				
Tensile strength	N/mm	>630	>800	>1000
Elongation at break	%	>10	>10	>10
Elongation at 10% working load	%	<1,5	<1,5	<1,5
Adhesion covers - plies	N/mm	>6	>6	>6
Adhesion between plies	N/mm	>6	>6	>6
<b>Rubber properties</b>				
Type of rubber	Polymer	NBR-K	NBR-K	NBR-K
Oil and fat resistance		very good	very good	very good
Swelling in oil IRM 903	72u / 70° C.	<8	<8	<8
Tensile strength	Mpa	>14	>14	>14
Elongation	%	>350	>350	>350
Hardness (+/- 5°)	° Shore A	70 +/- 5	70 +/- 5	70 +/- 5
Abrasion resistance	mm <sup>3</sup>	<170	<170	<170
<b>Additional properties</b>				
Temperature dry, low fat product	°C.	-25/+100	-25/+100	-25/+100
Temperature fat and/or moist product	°C.	-25/+70	-25/+70	-25/+70
Anti-static <3.10 <sup>8</sup>	Ω ISO	yes	yes	yes
Flame retardant	ISO conform	yes	yes	yes
Minimum pulley diameter		400 mm	450 mm	500 mm
Recommended elevator belt fasteners		Maxi-CI/AB Maxi-ULTRA	Maxi-AB Maxi-ULTRA	Maxi-AB Maxi-ULTRA

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-K NBR  
OIL- AND FAT  
RESISTANT QUALITY**

This belt quality is very good oil and fat resistant and also flame retardant acc. to ISO 340 (=DIN -K-) 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
- vegetable oil extraction processing

**AVAILABLE FROM STOCK**

- EP 630/4 2,0+2,0 mm
  - EP 800/4 2,0+2,0 mm
  - EP 1000/5 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**