

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

**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	EP200	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/m²	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	%	<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	mm³	<170	<170	<170	<170	<170
<b>Additional properties</b>						
Temperature dry, low fat	°C.	-25/+100	-25/+100	-25/+100	-25/+100	-25/+100
Temperature fat and/or moist	°C.	-25/+70	-25/+70	-25/+70	-25/+100	-25/+70
Anti-static <3.10 <sup>9</sup>	Ω ISO	yes	yes	yes	yes	yes
Flame retardant	ISO conform	no	no	no	no	n
Minimum pulley diameter		300 mm	400 mm	450 mm	500	600 mm
Recommended elevator belt fasteners		Maxi-CI	Maxi-CI/AB Maxi-ULTRA	Maxi-AB Maxi-ULTRA	Maxi-AB Maxi-ULTRA	Maxi-SUPER

Testing norm in accordance with DIN22102, ISO 37, 251, 252, 283, 284, 340, 583, 868, 13934, 2781, 4649, 7619, 9856

Showing values are average values.



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

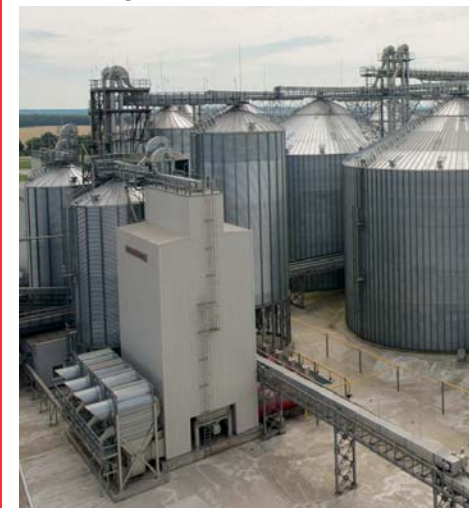
**Available from stock**

- 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  
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