



## TECHNICAL SPECIFICATIONS - POLYSUR® TYPE 272

	Unit/testing standard	500/3	630/4	800/4
<b>Construction</b>				
Carcass type		EP	EP	EP
Warp		Polyester	Polyester	Polyester
Weft		Polyamid	Polyamid	Polyamid
Textile plies		3	4	4
Type per ply		EP 160	EP 160	EP 200
Belt thickness nom.	mm	6,5	8,2	9,2
Rubber covers top nom.	mm	1,5	2,0	2,0
Rubber covers bottom nom.	mm	1,5	2,0	2,0
Belt weight nom.	kg/m <sup>2</sup>	11,1	12,9	13,6
<b>Properties</b>				
Tensile strength	N/mm	>500	>630	>800
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	Polymeer	NBR	NBR	NBR
Oil and fat resistance		good	good	good
Swelling in oil IRM 903	72u / 70° C. in %	<8	<8	<8
Tensile strength	Mpa	>11	>11	>11
Elongation	%	>500	>500	>500
Hardness (+/- 5°)	° Shore A	70 +/- 5	70 +/- 5	70 +/- 5
Abrasion resistance	mm <sup>3</sup>	<200	<200	<200
<b>Additional properties</b>				
Temperature dry, low fat product	°C.	-25 / +80	-25 / +80	-25 / +80
Temperature fat and/or moist product	°C.	-25 / +60	-25 / +60	-25 / +60
Anti-static <3.10 <sup>9</sup>	Ω ISO conform	yes	yes	yes
Flame retardant	ISO conform	yes	yes	yes
Minimum pulley diameter		300 mm	400 mm	450 mm
Recommended elevator belt fasteners		Maxi-CI 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

Showing values are average values.



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## POLYSUR® TYPE 272 NBR-FDA WHITE FOOD-GRADE QUALITY

Polysur® type 272 NBR-FDA white food-grade rubber quality elevator belts are mainly used for elevators in the food processing industry. This belt quality is FDA approved acc. to EU1935-2004, good resistant to oils and fats and low concentrations of acids and lyes, anti-static, flame-retardant and therefore applicable in accordance with the European norms in applications for conveying dry foodstuffs.

### Applications

- flour
- rice
- sugar
- salt
- milk powders

### 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

Other constructions available on request.

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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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**muller|beltex**