



TECHNICAL SPECIFICATIONS - POLYSUR® TYPE 272

		Unit/Testing standard	500/3	630/4	800/4
Construction					
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 ²		11,1	12,9	13,6
Properties					
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
Rubber properties					
Type of rubber	Polymer		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 ³		<200	<200	<200
Additional properties					
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 ⁸	Ω in accordance with ISO	yes	yes	yes	yes
Flame retardant	in accordance with ISO	yes	yes	yes	yes
Minimum pulley diameter			300 mm	400 mm	450 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 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 food-stuffs.

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.

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 / 1.3



**YOUR TRADEMARK
FOR RELIABLE
ELEVATOR BELTS**