

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 foodstuff

Application: • Food Processing

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.

TECHNICAL SPECIFICATIONS - "HIGH HEAT RESISTANT" CONVEYOR BELT

	Unit/Testing Standard	500/3	630/4	800/4
Construction				
Carcass Type		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/m²	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	mm³	<200	<200	<200
Additional Properties				
Operational product temperature	°C	-20/+80	-25 / +80	-25 / +80
Occasional Operational peak temperature	°C	-25 / +60	-25 / +60	-25 / +60
Anti Static <3.10⁸	Ω ISO conform	yes	yes	yes
Flame Retardant	ISO conform	yes	yes	yes
Minimum pulley diameter drive/ deflection	mm	300	400	450
Recommended elevator belt fasteners		Maxi-CI Maxi-ULTRA	Maxi-AB Maxi-ULTRA	Maxi-AB Maxi-ULTRA



Testing norm in accordance with DIN22102, DIN 22101, DIN 53504, DIN 53505, DIN53516 and DIN 53479

Shown values are average values