

CHEMICAL CONVEYOR BELTS

Applications

The cover rubber compound is especially conceived to resist to various kinds of chemicals, in the range of temperature (-30...+70°C). It has also good abrasion and weather resistance. Our chemical resistant conveyor belts offer an excellent performance in handling chemicals like acid (%) and base. Protective cover rubber are designed as to fulfill each and every requirement. The chemical conveyor belts are manufactured according to DIN 22 102 (rubber covers C).

Product characteristics

The carcass is made of polyamide / polyester (EP) fabrics

Dimensions	Width, mm	covered edges		800 - 1600 ± 1%								
		cut edges		500 - 1600 ± 1%								
	Thickness, mm			8 - 20								
	Deviation from thickness	belt	under 10mm	± 1mm								
			over 10mm	± 10%								
		rubber cover	under 4mm	± 2mm								
			over 4mm	± 5%								
	Length, m, max.			300 ± 0.5%								
Insertion's characteristic	Number of insertions			2 - 6								
	Type of insertions			EP 80	EP 100	EP 125	EP 160	EP 200	EP 250	EP 315	EP 400	EP 500
	Tensile strength, kgf,(for 50mm *200mm)	longitudinal		500	700	800	1000	1200	1500	2000	2200	2800
		transversal		250	250	350	380	500	500	500	500	500
Adhesion, kgf/cm, min.	Between plies			5								
	Between insertions and rubber covers	under 1.5mm		3.5								
		over 1.5mm		4.5								
Edges	covered edges			For an increased protection, the edges are fully molded with rubber covers								
	cut edges			The impregnated carcass is completely water tight and impervious to the ingress of liquids. Thus, cut edges do not represent a risk to belt life.								
Surfaces				-both surfaces covered								
Breaking force of conveyor belt, (kgf/cm)				It is given by the type and number of insertions.								

Cover grade		Tensile strength, min., (daN/cm ²)	Elongation at break, min., (%)	Abrasion loss, max. (mm ³)	
group	norm				
1	DIN 22 102	150	350	200	This grade of the rubber cover is based on 40% poly chloroprene mixture. They are employed to convey phosphate. (phosphate fertilizer industry).
2	DIN 22 102	180	400	90	It is used for granulated urea (NH ₂ -CO-NH ₂) transport. These rubber cover grades have an excellent abrasion resistance (less than 90-mm ³ abrasion loss).

Product symbolization

EP 315/3 4/1.5 C	
Type of insertion	EP
Type cover thickness	315
Insertion number	3
Rubber cover	4
Bottom cover thickness	1.5
Grade	C