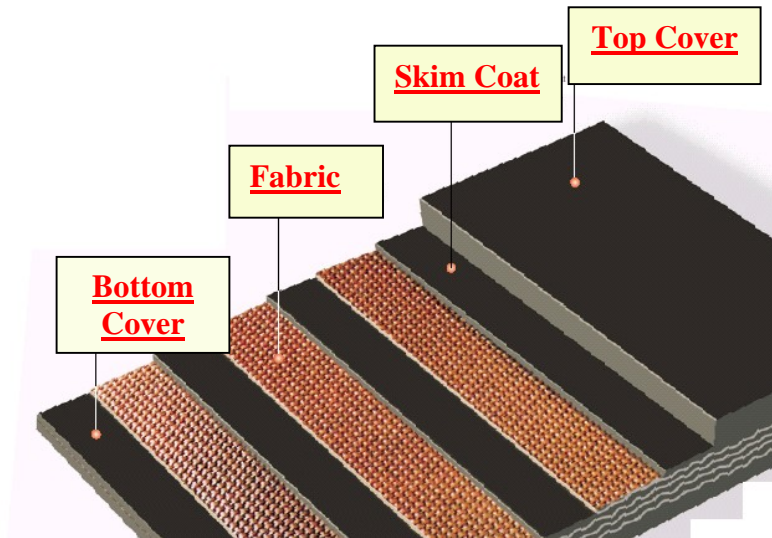




CONVEYOR BELT CONSTRUCTION



Bottom Cover Excellent in abrasion & flexibility, provides surface friction to pulleys & idlers

Carcass/fabric Extremely low stretch characteristic of fabric with good troughability

Skim/coating Compounded for excellent adhesion between plies for protecting against ply separation

Top cover Design to protect the carcass from service conditions like oil, heat, abrasion etc.





SELECTION OF CONVEYOR BELT

COVER RUBBER GRADE FOR GENERAL PURPOSE BELT

RMA-1 DIN-X, M BS-M24 AS-M JIS-S	These cover rubber grades have the characteristics to provide the highest abrasion resistance & cut-and-gouge resistance as well as ozone resistant. These cover rubbers are used for heavy impact, large sized lumps, and sharp material		
RUBBER GRADE	TENSILE STRENGTH Min (Mpa.N/mm³)	ELONGATION Min (%)	ABRASION LOSS Max (mm³)
DIN-X	25	450	120
DIN-M(RMA-1)	25	450	150
AS-M	24	450	125

RMA-2 DIN-Y, N BS-N17 AS-N JIS-G	These cover rubber grades are widely used for general purpose with resistance to abrasion, ozone, cutting and gouging and suitable for handling crushed rock, limestone, coal, slag, etc.		
RUBBER GRADE	TENSILE STRENGTH Min (Mpa.N/mm³)	ELONGATION Min (%)	ABRASION LOSS Max (mm³)
DIN-Y	20	400	150
DIN-N(RMA-2)	20	400	200
AS-N	17	400	200

APPLICATION

Suitable for wide ranges of operating conditions. The bulk handling conveyor belt is widely utilized in the industrial fields of mining, engineering works, cement, quarry and aggregate industries. Depending on the cover rubber selection, the belts are suitable for both conveyor and elevator services.



NYLON / POLYESTER CONVEYOR BELT

NYLON FABRIC (NN) CONVEYOR BELT

ITEM	GRADE	NN100	NN120	NN150	NN200	NN250	NN300	NN350	NN400	NN500
Min Tensile Strength	Kg/cm-ply	100	120	150	200	250	300	350	400	500
	Lb/in-ply	560	672	840	1'120	1'400	1'680	1'960	2'240	2'800
Working Tension Rating (Vulcanized)	Kg/cm-ply	8.4	10.0	12.5	16.7	20.8	25.0	29.2	33.3	41.7
	Lb/in-ply	46.7	56.0	70.0	93.3	116.7	140.0	163.3	186.7	233.3
Approx. Gouge per Ply with skim coat	Mm	0.70	0.85	0.90	1.15	1.20	1.35	1.60	1.70	2.10
	inch	0.028	0.034	0.035	0.045	0.047	0.053	0.063	0.067	0.083

Special Features

- Exceptional shock & impact resistance to the carrying surface
- Superior in mechanical fastener holding ability
- Excellent throughability and flexibility
- Smaller pulley diameter required
- Good resistance to water and mildew

POLYESTER FABRIC (EP) CONVEYOR BELT

ITEM	GRADE	EP100	EP120	EP150	EP200	EP250	EP300	EP350	EP400	EP500
Min Tensile Strength	Kg/cm-ply	100	120	150	200	250	300	350	400	500
	Lb/in-ply	560	672	840	1'120	1'400	1'680	1'960	2'240	2'800
Working Tension Rating (Vulcanized)	Kg/cm-ply	10.0	12.5	15.0	20.0	25.0	30.0	35.0	40.0	50.0
	Lb/in-ply	56.0	70.0	84.0	112.0	140.0	168.0	200.0	224.0	280.0
Approx. Gouge per Ply with skim coat	Mm	0.75	0.90	1.00	1.20	1.30	1.50	1.70	2.20	2.80
	inch	0.030	0.035	0.039	0.047	0.051	0.059	0.067	0.087	0.110

Special Features

- High resistance to tension
- Low elongation
- Outstanding dimension stability
- Impact resistance
- Moisture and mildew protection



DESIGNATION OF FABRIC BELT

