RUBBEX
CONVEYORS

MANUFACTURING CAPABILITY

AFRICA | INDONESIA | LATIN AMERICA | MIDDLE EAST | INDIA | AUSTRALIA

Company Profile

we are leading manufacturers and suppliers of conveyor products.

With extensive professional experience in Conveyor products
we successfully served to various clients, who enable us to build a professional team and high Inventory so satisfy the needs of customers in all over India and Abroad.

We offer world class guaranteed ISO 9001 : 2008 Certified products with fastest Delivery period at lowest prices , we keep LARGEST INVENTORY OF READY STOCK BELTS.

We do business based on ethics, transparency and mutual understanding. Our core competencies lie in achieving excellence in the delivery of high quality and cost effective products in schedules delivery period.

Our products are suitable and meeting the requirement for various industries regularly like Steel plants, sponge iron -Power plants, Stone Crushers ,Solvent plants, Pulp and Paper industries, Mines, Fertilizers and Chemical plants, Sugar Industry, Coal Benefication Plant, Coal Handling Plants ,Smelters and other industries.

Our professionally managed team provides customization facility in required products for our customers.

We follow quality testing and measuring system to ensure supply and delivery of high quality and defect free products.

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Advanced Prodution Equipment

16 Station Automatic Small Material Weighing

Masticator XSN-110L

Senior Roll Calender XY-4D1800

Expansion Force Automatic Molding Machine

Curing Press 1800×12600×2

Cold Feed Extruder

Advanced Test Equipment

Electronic Tensile Testing Machine
TCS-2000

Electronic Tensile Testing Machine
AI-7000LA30

Electronic Tensile Testing Machine
AI-7000LA5

Rotary Roller Abrasion Testing Machine GT-7012-D

Roller Friction Testing Machine SGM-02

Taiwan Gaotech Mooney Rheomete

Fire-retardant Conveyor Belt Combustion Chamber SR-1000A

200°C 300°C Aging Testing Chamber 401B-A

Steel Cord Conveyor Belts Dynamic Adhesion Strength Testing Machine DNP-2

The machine adopting fatigue test methods,can test andde-termine simultaneously dynamic adhesion strength between steel cord and rubber of two sets of steel cord con-veyor belt.

Steel Wire Core Permeability Testing Machine C100

C100,steel wire core permeability testing machine meets the testing requirement of GB21352-2008,MT668-2008 and is specifically designed to test the permeability of steel wire core rubber of steel cord conveyor belt.It laid solid foundation for the quality of steel cord conveyor belt.

Steel Cord Conveyor Belt

Scope of Applications

1)Tensile strength of conveyor belts:500N/MM-7000N/MM.

2)Max width of conveyor belts:2350mm.

Applications

Long-distance transportation ,high speed,high carrying capacity,high tensile strength.

Features

1)High tension,it's tension is three times as large as that of NN/EP rubber conveyor belt.

2)Short take-up travel for small elongation.

Take-Up Space for Rubber Conveyor Belt

Item	Elastic Elongation %	Permanent Elongation%	Take-UP Space%
Steel Cord Conveyor Belt	0.02-0.06	0.08-0.14	0.2
NN Conveyor Belt	0.3-0.6	1.3-1.8	2.4
EP Conveyor Belt	0.2-0.5	0.5-1.0	1.5

3)Good trough ability.Flexible and suitable for the idler with straight run.

4)Good performance,long service life.The single-layer structure,good resistance to flexural fatigue and strong rubber adhesion to the steel cords enable the ST conveyor belts to run at a higher speed than fabric belts.

5)Strong splice,excellent splice efficiency can be obtained by the overlap splicing method.

6)Internal inspection possible.Any damage can be identified though methods such as X-ray photography and to take appropriate measures.

7)Cover rubber,filled with ST or fiber,the rip resistance improved.

Technical Date for Steel Cord Conveyor Belt														
Specification	ST 1000	ST 1250	ST 1600	ST 2000	ST 2500	ST 3150	ST 3500	ST 4000	ST 4500	ST 5000	ST 5400	ST 6300	ST 7000	ST 7500
Tensile Strength (N/mm)	1000	1250	1600	2000	2500	3150	3500	4000	4500	5000	5400	6300	7000	7500
Max Diameter of Cord(mm)	4	4.5	5	6	7.5	8.1	8.6	8.9	9.7	10.9	11.3	12.8	13.5	15.0
Pitch of Cord(mm)	12	12	12	12	15	15	15	15	16	17	17	18	19	21
Top Rubber Cover Thickness(mm)	6	6	6	8	8	8	8	8	8	8.5	9	10	10	10
Bottom Rubber Cover Thickness(mm)	6	6	6	8	8	8	8	8	8	8.5	9	10	10	10
Weight(kg/m²)	22.5	24	25.9	31.8	36.1	40.4	43.8	45	45.1	50.7	53.4			

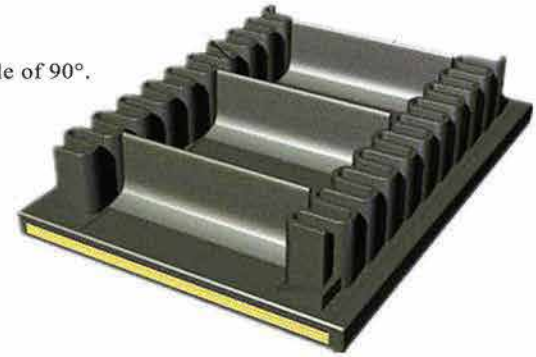
Width(mm)	Cord Number													
Specification	ST 1000	ST 1250	ST 1600	ST 2000	ST 2500	ST 3150	ST 3500	ST 4000	ST 4500	ST 5000	ST 5400	ST 6300	ST 7000	ST 7500
800	63	63	63	63	50	50	50							
1000	79	79	79	79	64	64	64	64	59	55	55	54	49	45
1200	94	94	94	94	76	77	77	77	71	66	66	63	59	54
1400	111	111	111	111	89	90	90	90	84	78	78	74	69	63
1600	126	126	126	126	101	104	104	104	96	90	90	85	80	72
1800	143	143	143	143	114	117	117	117	109	102	102	96	90	82
2000	159	159	159	159	128	130	130	130	121	113	113	107	101	91
2200				176	141	144	144	144	134	125	125	118	111	100
2400				193	155	157	157	157	146	137	137	129	121	109
2600				209	168	170	170	170	159	149	149	140	131	119
2800				230	184	184	184	184	171	161	161	151	142	129
3000				247	198	198	198	198	185	174	174	148	152	138
3200				264	211	211	211	211	198	186	186	158	162	147

Rubber Cover Property and Grade							
Test Items	Property Indexes						
	GB9770-2001				DIN22131		
	D	H	L	P	W	X	Y
Tensile Strength(Mpa)≥	18	25	20	14	18	25	20
Elongation at Break(%)≥	400	450	400	350	400	450	400
Change Rate (Strength Change Rate) of Tensile (%)	-25~+25	-25~+25	-25~+25	-25~+25	-25~+25	-25~+25	-25~+25
Abrasion≤mm*3	90	120	150	200	90	120	150

Sidewall Rubber Conveyor Belt

Applications

It is applicable to high-angle transportation with a maximum angle of 90°.



Features

1) Space-Saving

Carrying material at large angle,Max angle is 90°.

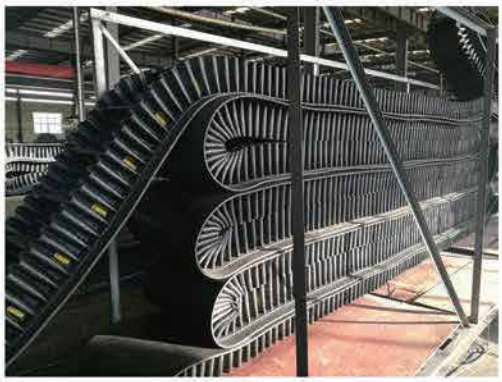
2) Good handling capacity

Larger transportation break section,stronger carrying capacity.

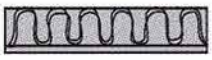
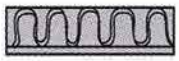
3) It is allowable to use small roller.

4) For the base belt is made of special core fabric,enhanced fabric,the anti-broken capacity of the conveyor belt is greatly strengthened.

5) Hot vulcanize sidewalls and cleats with base belts,ensuring the large adhesive strength.



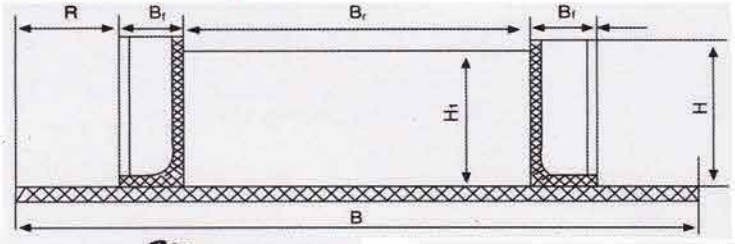
The Types of Cleats

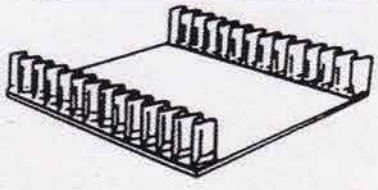
Name \ Type	N				S				ES			
Sidewall												
Height	40	60	80	100	120	160	200	240	300	400	500	600
Structure												
Type												
Height	35	55	75	90	110	140	180	220	280			
Structure												
Type	T				T		TS		TS			
Height	35	55	75	90	110	140	180	220	280	360	460	580
Structure												
Type	C				C		TCS		TCS			
Height		55	75	90	110		180	220	280	360	460	580

Technical Data

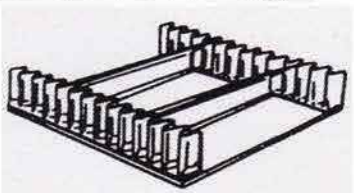
Base Belt Width(mm)	Sidewall Height(mm)	Cleat Height(mm)	Bf(mm)	Br(mm)	R(mm)
300	40	35	25	180	35
	60	55	50	120	40
	80	75			
400	60	55	50	180	60
	80	75			
	100	90			
500	80	75	50	250	75
	100	90			
	120	110			
650	100	90	50	350	100
	120	110			
	160	140	75	300	
800	120	110	50	460	120
	160	140	75	410	
	200	180			
1000	160	140	75	550	150
	200	180			
	240	220			
1200	160	140	75	690	180
	200	180			
	240	220			
	300	280	105	630	
1400	200	180	75	830	210
	240	220			
	300	280	105	770	
	400	360			
1600	200	180	75	970	240
	240	220			
	300	280	105	910	
	400	360			
1800	240	220	75	1110	270
	300	280	105	1050	
	400	360			
	500	460	125	1010	

Plan and section of the conveyor belt





无空边无隔板形
The type without cleat and free edge



无空边有隔板形
The type with cleat without free edge

Pipe Conveyor Belt

Features of Structures and Applications

The carcass is single or multi-ply chemical fiber canvas or made of steel cord. The special manufacturing technique is applied to both edges of the belt,which generates proper lateral stiffness to form into the shape of the pipe with fatigue resistance. The belts can be widely used to convey materials in a sealed way in relative situations,-such as cement industry,ports,electric power plants and fertilizer industry etc.

Classifications of Pipe Belt

According to different carcasses, the pipe belt can be divided as below:

Chemical fiber fabric pipe belt

Steel cord pipe belt

Yupheng company is one of the five manufacturers in China mainland can produce qualified Pipe Conveyor Belts

The framework stress body is single-layer or multi-layer chemical fiber canvas or steel cord. The two sides of the body adopt a special production process, so the finished belt has appropriate transverse rigidity, can easily form pipes without fatigue, and is used for occasions such as cement plants, wharves, power plants and chemical fertilizer plants where materials need to be conveyed in a closed way.

Product Category Subdivision

According to different framework stress bodies, the tubular conveyor belt can be divided into:

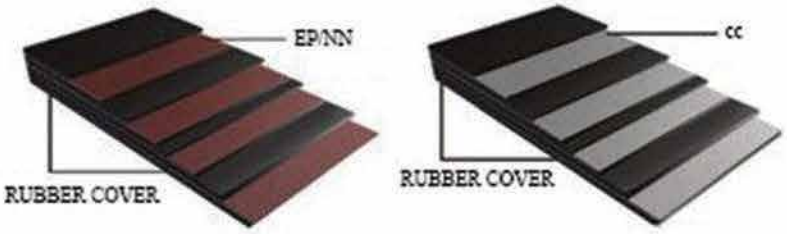
Chemical fiber fabric tubular belt

Steel cord tubular belt

Technical Data

Nominal Pipe Dia(mm)	Width(mm)	Size of Verlap(mm)	Actual Pipe Dia(mm)	Loading Area at 70%(m2)	Capability at Speed 2m/s	Lump Size(Max)
100	430	115	100.27	0.005	0.005	40
150	600	129	143.24	0.011	0.011	80
200	780	122	186.21	0.019	0.019	100
250	900	215	279.18	0.028	0.028	130
300	1050	158	286.48	0.045	0.045	150
350	1300	201	343.77	0.064	0.064	180
400	1600	244	401.07	0.088	0.088	200
450	1650	237	458.37	0.115	0.115	220
500	1900	330	507.5	0.145	0.145	230
600	2250	330	609	0.205	0.205	250

Multy-Ply Fabric Conveyor Belt



Applications

Made of EP/NN/CC Fabric,adaptable to larger capacity,greater speed and long-distance material transportation.

Features

1) Large tensile strength
2) Thin thickness and light weight
3) Small elongation
4) Excellent impact durability
5) Good trough ability and smooth performance
6) Good resistance to flexural fatigue
7) Excellent splice efficiency

Scope of Applications

1)Tensile capacity of Rubber Conveyor Belts:100N/MM-3150N/MM

2)Max width of Rubber Conveyor Belts:2600MM

Main Technical Data

Total Tensile Strength (N/mm)	Fabric Type	Top Cover Thickness (mm)			Bottom Cover Thickness (mm)	
200-800	EP100	3	4.5	6	1.5	3
315-1250	EP150	3	4.5	6	1.5	3
400-1500	EP200	3	4.5	6	1.5	3
500-2000	EP250	3	4.5	6	1.5	3
500-2000	EP300	3	4.5	6	1.5	3
630-2500	EP400	3	4.5	6	1.5	3
200-800	NN100	3	4.5	6	1.5	3
250-1000	NN150	3	4.5	6	1.5	3
315-1250	NN200	3	4.5	6	1.5	3
400-1600	NN250	3	4.5	6	1.5	3
500-2000	NN300	3	4.5	6	1.5	3
630-2500	NN400	3	4.5	6	1.5	3
112-336	CC-56	2-8			0-4.5	

Min.Drum Diameter Recommended(for reference only)

Fabric Type	Min.Drum Diameter Recommended(mm)						
	2Plies	3Plies	4Plies	5Plies	6Plies	7Plies	8Plies
EP100	250	400	500	630	800	800	1000
EP150	315	400	630	800	800	1000	1250
EP200	315	500	630	800	1000	1000	1250
EP250	400	500	800	1000	1000	1250	1400
EP300	400	630	800	1000	1250	1250	1400
EP400	500	630	1000	1250	1250	1600	~
NN100	160	250	315	400	500	630	630
NN150	200	315	400	500	630	630	800
NN200	200	315	400	500	630	800	800
NN250	315	400	630	630	800	1000	1250
NN300	315	400	630	630	800	1000	1250
NN400	315	500	630	800	1000	1250	~
CC-56	~	400	500	600	800	1000	1250

Executive Standard

Adhesion between Layers (DIN22102) Unit:N/mm

Item	Adhesion Between Fabrics (N/mm)	Adhesion Between Fabric and Rubber (N/mm)	
		Cover ≤1.5mm	Cover＞1.5mm
Max.≤	Max.≤	20	20
Ave.	Ave.	3.5	4.5
Min.≥	Min.≥	2.5	3.5

Rubber Cover Property (DIN22102)

Item	Rubber Grade			
	W	X	Y	Z
Tensile Strength(N/mm)≥	18	25	20	15
Elongation at Break(%)≥	400	450	400	350
Abrasion≤(mm3)≥	90	120	150	250

Chevron Rubber Conveyor Belt

Applications

The Chevron Conveyor Belt is used to conveyor materials under wet,loose or bagged conditions on slopes.The Patterns on the surface can keep the carrying materials from slide and largely increase the efficiency of conveying .it's used in quarries,sandpits,cement industry,lime industry,farms,salt mines,as well as mobile crushers and screening equipment.

Advantages

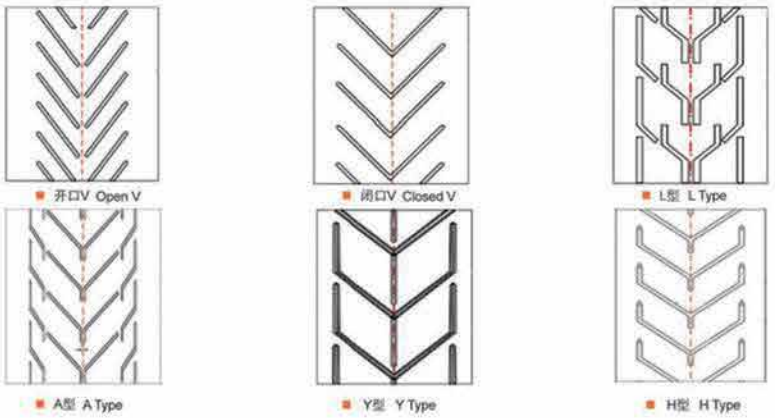
Bulk materials can be conveyed at angles of 17-18 degrees and bagged materials can be conveyed at angles of 30-50 degrees.

Cleats and pitches are designed to keep balanced for the return path.

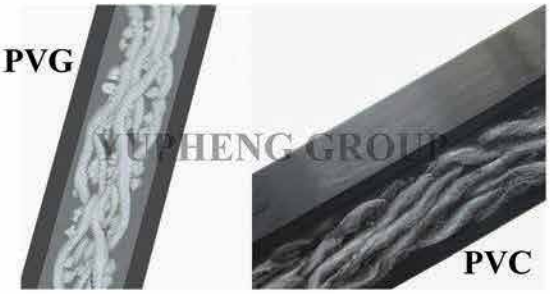
Cleats and the base belt are vulcanized as a whole,which shows a good performance of adhesion and generate a long working life.

Types

We have more than 50 kinds of chevron molds,which has the most complete kinds of chevron conveyor belts in China.Open V,Closed V,L Type,H Type,Y Type,A Type and F Type,etc. And we also can Design the Chevron Types Based customers requirement.



SWR Solid Woven Fire Resistant Conveyor Belt



Description

Both top and bottom covers are NBR Rubber ,much suitable to working at higher slope(better no more than 20 degree).The PVG belt is a product which has strong competition in the worldwide market.

Tensile strength

500～4000N/mm Width:500～2000mm

Application Locations

coal mining, laneway transportation, coal preparation plant transportation, chemical materials handling.

Market

Coal mines, power stations, chemical and metallurgy industries.

Features and preponderances of the belt

Bone materials with high tensile strength

The solid woven belt use various high tensile strength chemical fibers and all wool and a yard wide cotton yarn as bone materials, and apply the advanced textile structures of France Depreux. The special multiple tiers integrate with each other so as to reach high tensile strength and weft&warp tear resistance, light carcass weight, and save the power energy for transportation.

The unique solid woven belt soakage technology can make PVC paste soak well. Thus, the paste and solid woven fabric become the all and the one, which ensures the belts impact resistance property.

Cover rubber with excellent properties

The special cover rubber of PVG solid woven belt has excellent properties, which represent at excellent physical properties on the basis of ensuring the safety properties. Thus, the cover rubber can give the carcass first-rank protection.

Excellent flame resistance property

The Excellent flame resistance property of PVG solid woven belt can ensure that it can use safely underground coal mines.

Heat Resistant Conveyor Belt

Applications

Cement Clinker, Coke Plants, Hot Power Materials, Sintered Ore, Steel Mills, Taconite Pellets.

Advantages

Hot transported material can very easily damage the conveyor belt,to prevent possible damages,special high temperature resistance canvas with high modulus,low shrink and high breaking tensile strength is adopted as carcass and EPDM Rubber or Chloro butylrubber by mixing some other high temperature resistance materials and with advanced technique,the belt made better performance in heat resistance. That not only solves the fabric shrinkage and deformation problems ,but also avoids crucial poor adhesion problem caused by high degree of saturation of ethylene propylene rubber.The belt is excellent in heat resistance,low elongation light and with longer using life,etc....

Main Technical Data

Type	Temperature of Conveyed Material	Surface Temperature of Conveyor Belt	Usage
T1	Bulk Material :70°C-200°C Powder Material:70°C-120°C	50°C-120°C	Low Temperature Heat Resistant
T2	100°C-400°C	120°C-200°C	Steel AND Shinter
T3	100°C-400°C	120°C-200°C	Cement clinker,Residues and Dry powder
HOR	70°C-120°C	50°C-120°C	bitumen and other Oil -bearing Material

Our competitive advantage:
We can produce HR600°C

Cold Resistance Conveyor Belt

Choose cotton,nylon,or EP canvas as the carcass and use a blend of NR and BR as the cover,which generates the belt with good elasticity,impact resistance and cold resistance.It can work normally above -45℃.

Applications

Suitable for conveying materials outdoors in cold areas in cold areas or refrigerant warehouse,etc.

Good performance of cold resistance

Impact resistance

Good elasticity

Rubber Cover Property （HG/T3647-1999)

Item	Unit	H	D	L
Tensile Strength≥	N/㎡	24	18	15
Elongation at Break	%	450	400	350
Aging Test（70℃，7D）	--	--	--	--
Change Rate of Tensile Strength	%	±25	±25	±25
Change Rate of Elongation at Break	%	±25	±25	±25
Abrasion≤	mm³	120	100	200
Coefficient of Low Temperature Resistance at Extention≥	--	--	--	--
C1(-45℃)	--	--	0.3	--
C2(-50℃)	--	--	0.2	--
Rubber Cover Property （HG/T3647-1999)				

High Abrasive Resistant Energy-Saving Conveyor Belt

Through lightening the weight of the belt,improving the rubber elasticity and reducing the rubber friction coefficient etc.,we largely reduce the resistance from the conveyor to the belt surface when running ,meanwhile,a reasonable transmission coefficient of friction is available,which generates energy savings from 10-15%.

The surface coating is highly elastic with excellent wear resistance which gives the conveyor belt properties of wear resistance,impact resistance and a long working life.

Main Technical Data for Reference

Cover grade	Code	Tensile strength	Elongation	Abraion	Change rate of tensile strength and elongation after aging
		≥	≥	≤	
		Mpa	%	mm3	%
Strong crack-type	H	24	450	120	-25-+25
Strong wear-type	D	18	400	90	-25-+25
General type	L	15	350	200	-25-+25

Oil Resistance Conveyor Belt

We choose cotton canvas, nylon canvas or EP canvas as the carcass and oil resistance rubber material as the cover, then produce the belt through calendaring,assembling and vulcanizing procedures , etc.

Applications

It is suitable for conveying oily materials or working at oily sites.

Advantages

Good abrasion resistance
Good oil resistance

Application Industry

Rubber Cover Property

Item	Test Condition				
	ASTM 471	°C	h	L	D
1	IRM901	70±2	70±1	+20	-5
2	IRM902	70±2	70±1	+50	+5
3	IRM903	100±2	22±0.25	+50	+5

Endless Conveyor Belt

Applications

Suitable for mineral dressing,chemical industry and being matched with other machines,etc.

Features

The carcass is produced without joint so that it can prevent early damage from influencing its working life,compared with the joint type.
The belt surface is flat with even tensile strength,so it can run stably with low elongation.

Advantages

Made without joint
Low elongation
Long working life

Acid and Alkali Resistance Belt

In order to fulfill the request of conveying materials under conditions of acid and alkali, we use cotton canvas, nylon canvas and EP canvas as the carcass during processes of designing and production, which creates properties of good elasticity ,trough-ability and low elongation. Through mixing materials with acid and alkali resistance as the cover, the product shows a good performance of chemical corrosion resistance and fine physical property.

Applications

Available for chemical industry,fertilizer industry,paper industry and mining, etc.

Rubber Cover Property

Rubber Cover Property

Item			Tensile strength (Mpa)	Elongation At break(%)	Abrasion (mm3)	Hardness shore (A°)	Ozone Deterioration
Cover	Physical property	Before aging	≥14.0	≥400	≤250	55-70	No Crack
		After aging	≥12.0	≥340	_	60-75	_
	Acid and Alkali Resistance	Class	Soak Liquid	Density	(°C*h)Soak Condition	Changing Rate before and after aging	
						Swelling rate	Change rate of tensile strength
		A1	Hydrochloric Acid	18%	50°C*96h	< -10%	< -10%
		A2	Sulfuric Acid	50%	50°C*96h	< -10%	< -10%
		A3	Sodium hydroxide	48%	50°C*96h	< -10%	< -10%

White Conveyor Belt

Applications

Made of white rubber as the upper and lower cover rubber,and cotton,nylon,polyester fabric as the carcass.

Mainly used in the food industry,such as salt works, sugar plant,pharmaceutical production,food factories,chemical plants,etc.,suitable for various products with strict transportation requirements.

Features

The belt has the characteristics of low elongation in warp and good troughability in weft,good water resistance,good wet strength, suitable for medium,long-distance and heavy-load transportation of materials.

Rough Top Conveyor Belt

Applications

Suitable for Medium, Long distance and Heavy-load transportation of materials like Aggregate,Cement,Coal, Foundry Coal,Grains,Hard Rock,Wood products,Sand etc.

Features

The belt has the characteristics of low elongation in warp and good troughability in weft,good water resistance,good wet strength, suitable for medium,long-distance and heavy-load transportation of materials.

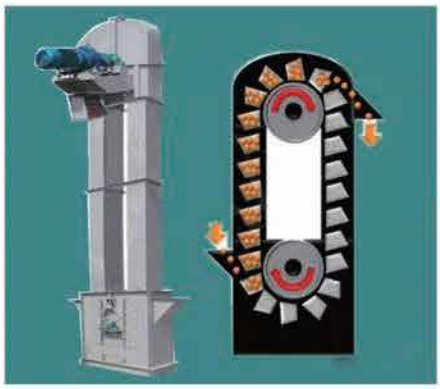
Bucket Elevator Conveyor Belt

Applications

Vertical transportation of materials,construction material industry, mining,chemical industry,light industry,power,agriculture and food industry.

Features

Occupies less land,low environmental pollution and large transport capacity.
Excellent for conveying powdery materials.



Bucket Elevator Accessory

Plastic Elevator Bucket
Steel Elevator Bucket
Stainless Steel Elevator Bucket
Fabricated Elevator Bucket

Fang Bolt
Elevator Bolt
Bucket Bolt
Euro Bolt

Joint For Bucket Elevator Belt

Global Foot Prints

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