山东隆源橡胶有限公司

Shandong Longyuan Rubber Co., Ltd

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公司简介 Brief Introduction

山东隆源橡胶有限公司是一家集产品设计、研发、制造、销售和服务于一体的专业橡胶输送带生产商。公司注册资本为151,870,000元人民币，占地面积134,800㎡。截止目前总投资额是5亿元人民币，在职员工217人。

公司生产高质而稳定的织物芯输送带、钢丝绳芯输送带、波状挡边输送带、花纹输送带、斗提机带、管状输送带、环形输送带等；特殊用途输送带包括耐热输送带、阻燃输送带、耐磨输送带、抗冲击输送带、抗静电输送带、耐灼烧输送带、耐油输送带、耐酸碱输送带和耐寒输送带等。产品性能满足国标、德国标准、美国标准、澳大利亚标准、日本标准、英国标准及南非标准等的要求，并且可以根据客户特殊要求研发、设计生产。

山东隆源橡胶有限公司已通过ISO9001:2008质量管理体系认证和ISO14001环境体系认证。一流的生产设备和精密的检测设备及全员参与、全过程控制的完善质量管理，使得隆源在输送带行业内保持强有力的竞争地位并持续发展。

同时，凭借国际先进的生产工艺、一流的生产设备、熟练稳定的技术工人、专业的技术团队、优秀的管理团队、持续的产品研发和改善投入以及客户至上的服务理念，我司产品热销于国内各个地区并出口到德国、日本、美国、巴西、南非等几十个国家和地区，产品广泛应用于钢铁、矿山、煤炭、水泥、电力、港口和化工等行业。

Shandong Longyuan Rubber Co., Ltd is one professional rubber conveyor belt manufacturer in product design, research, manufacture, sales and service. Registered capital is USD24.5 million with the total area of 134,800㎡. Up to now the total investment is USD80 million with 217 employees.

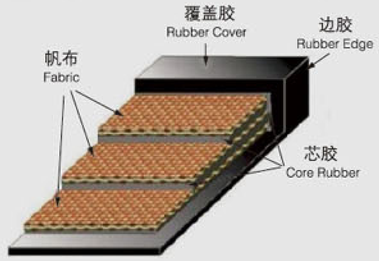
We produce Multi-ply Fabric Conveyor Belt (EP/NN/CC), Steel Cord Conveyor Belt, Corrugated Sidewall Conveyor Belt, Chevron Conveyor Belt, Bucket Elevator Conveyor Belt, Pipe Conveyor Belt, Endless Conveyor Belt and so on with high and stable quality. The special belts include Heat Resistant Conveyor Belt, Flame Resistant Conveyor Belt, Abrasion Resistant Conveyor Belt, Impact Resistant Conveyor Belt, Anti-static Conveyor Belt, Ignition Resistant Conveyor Belt, Oil Resistant Conveyor Belt, Acid & Alkali Resistant Conveyor Belt and Cold Resistant Conveyor Belt and so on. Our products can meet requirements of GB, DIN, RMA, AS, JIS, BS, SABS and ISO standards, etc. Special ones also can be developed and designed according to customers' special requirements.

Shandong Longyuan Rubber Co., Ltd has obtained certifications of ISO9001:2008 and ISO14001. With first class production equipments and accurate testing equipments, as well as perfect quality control system with total employees involved in the whole production, Longyuan maintains a strong competitive position and sustainable development in rubber conveyor belt industry.

At the same time, with the international advanced production technology, first-class production equipments, skilled and stable workers, professional technical team, excellent management team, continued investment in product development and improvement as well as customer-oriented service concept, our products are popularly sold in domestic market and exported to dozens of countries abroad like Germany, Japan, the United States, Brazil, South Africa and so on. They are widely used in steel, mining, coal, cement, power, ports and chemical industries, etc.

德国 日本 美国 英国 巴西 南非 法国 意大利 瑞士 马来西亚 印尼 巴基斯坦

分层式织物芯输送带
Multi-ply Fabric Conveyor Belt (EP/NN/CC)



结构 Construction

织物芯输送带的设计使之可应于各领域内的物料输送。其结构包括覆盖胶，骨架层和芯胶。

The design of multi-ply fabric conveyor belt enables application in all areas of material handling. It consists of rubber cover, carcass and core rubber.

覆盖胶：由天然橡胶和合成橡胶混合而成。目的是为了保护骨架材料免遭磨损、冲击、水和其它有害的影响。可以满足耐磨、耐油、耐热、阻燃、耐酸碱和抗静电等特殊用途的需求。

Rubber cover is developed from blends of natural and synthetic rubber, which is designed to protect the carcass from abrasion, impact, deterioration, water and other injurious influences. It can be compounded to meet particular service conditions such as abrasion resistant, oil resistant, heat resistant, fire resistant, acid & alkali resistant and anti-static, etc.

骨架层：由一层或是多层浸胶EP布 (聚酯/聚酰胺), NN布 (尼龙/尼龙) 或CC布 (棉线/棉线)构成。它维持带体张力并支撑结构上的强度。在工作中，几乎承担了所有的负荷。

Carcass consists of one or multiple plies of dipped synthetic reinforced fabric based on EP (warp-Polyester + weft-Polyamide), NN (Nylon/Nylon) or CC (Cotton/Cotton). It maintains belt tension and supplies structural strength, which undertakes almost all the load during in work.

芯胶：有很好的织物粘合性，使帆布紧紧的粘合在一起。它增加了带体的曲挠寿命并使布层间的连接更有弹性，从而在带子运行时布层不会分离。

Core rubber has good fabric adhesion properties, which makes the fabrics bond tight. That can increase flex life and create a more elastic link, so that fabrics flex without separation when belt under working.

防撕裂带：在覆盖胶与骨架层之间加入一层钢丝帘布，该设计可承受尖锐物料和超负荷物料的冲击，确保了带子的抗撕裂性。

Rip stop belt with steel layer embedded between the cover and the carcass is designed to withstand the impact with sharp and extreme load materials. The special characteristic ensures the belt's resistance to tearing.

优势 Advantage

- 耐冲击 High impact resistance
- 伸长率小 Low elongation
- 耐磨性好 Very good abrasion resistance
- 抗撕裂 High tear resistance
- 优异的成槽性和柔韧性 Excellent troughability and flexibility

应用 Application

- 水泥、混凝土工厂 Cement, concrete plants
- 沙子、砾石、石材业 Sand, gravel, stone industry
- 热电站 Heating and power stations
- 垃圾焚化站 Garbage incineration plants
- 筑路机械 Road construction machinery
- 回收、堆肥产业 Recycling, compost industry
- 矿产加工厂 Mineral processing plants
- 木材工业和锯木厂 Timber industry and sawmills
- 港口 Port
- 谷物 Grains

规格 Specification

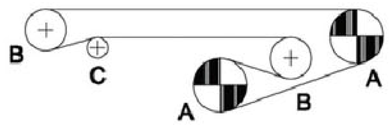
帆布种类 Fabric Type	布层的拉伸强度 Ply Strength (N/mm)	布层厚度 Ply Thickness (mm)	覆盖胶厚度 Cover Thickness (mm) 上覆盖胶 Top Rubber	覆盖胶厚度 Cover Thickness (mm) 下覆盖胶 Bottom Rubber	布层数 No.s of Ply	宽度范围 Width Range (mm)
EP/NN 100	100	0.95	3.0	1.5	1~8	400~2200
EP/NN 125	125	1.05				
EP/NN 150	150	1.10				
EP/NN 200	200	1.20	4.5	3.0		
EP/NN 250	250	1.40				
EP/NN 300	300	1.60	6.0	6.0		
EP/NN 350	350	2.00				
EP/NN 400	400	2.20				

Ply Thickness = A No.s of Ply = B Carcass thickness = A*B-0.4

荐用最小滚筒直径 Recommended Min. Pulley Diameters (mm)

骨架层厚度 CARCASS THICKNESS					荐用最小直径 RECOMMENDED MIN. PULLEY DIAMETERS		
经线材料 Warp Material					RMBT利用率 RMBT use ratio		
棉 Cotton C=80	聚酰氨/棉 Polyamide/Cotton C=90	棉/聚酯 Cotton/Polyester C=98	聚酯 Polyester C=108	人造丝 Artificial Silk C=118	60~100% 辊筒类别 Pulley Category	30~60% 辊筒类别 Pulley Category	30% Below 辊筒类别 Pulley Category

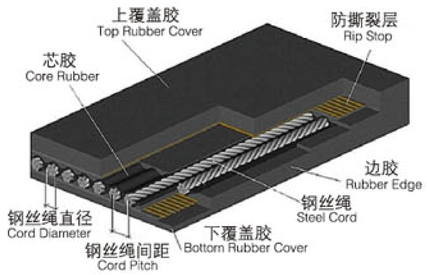
A – 主动带轮 Driving Pulley
B – 尾轮 Tail Pulley
C – 拉紧轮 Snub Pulley



From	to	From	to	From	to	From	to	From	to	A	B	C	A	B	C	A	B	C
	1.2		1.1		1.0		0.9		0.8	100								
1.3	1.5	1.2	1.3	1.1	1.2	1.0	1.1	0.9	1.0	125	100		100					
1.6	2.0	1.4	1.7	1.3	1.6	1.2	1.4	1.1	1.3	160	125	100	125	100		100	100	
2.1	2.5	1.8	2.2	1.7	2.0	1.5	1.8	1.4	1.6	200	160	125	160	125	100	125	125	100
2.6	3.1	2.3	2.7	2.1	2.5	1.9	2.3	1.7	2.1	250	200	160	200	160	125	160	160	125
3.2	3.9	2.8	3.5	2.6	3.2	2.4	2.9	2.2	2.6	315	250	200	250	200	160	200	200	160
4.0	5.0	3.6	4.4	3.3	4.0	3.0	3.7	2.7	3.3	400	315	250	315	250	200	250	250	200
5.1	6.2	4.5	5.5	4.1	5.1	3.8	4.6	3.4	4.2	500	400	315	400	315	250	315	315	250
6.3	7.8	5.6	7.0	5.2	6.4	4.7	5.8	4.3	5.3	630	500	400	500	400	315	400	400	315
7.9	10.0	7.1	8.8	6.5	8.1	5.9	7.4	5.4	6.7	800	630	500	630	500	400	500	500	400
10.1	12.5	8.9	11.1	8.2	10.2	7.5	9.2	6.8	8.4	1000	800	630	800	630	500	630	630	500
12.6	15.6	11.2	13.8	10.3	12.7	9.3	11.5	8.5	10.5	1250	1000	800	1000	800	630	800	800	630
15.7	17.5	13.9	15.5	12.8	14.2	11.6	12.9	10.6	11.8	1400	1250	1000	1250	1000	800	1000	1000	800
17.6	20.0	15.6	17.7	14.3	16.3	13.0	14.8	11.9	13.5	1600	1250	1000	1250	1000	800	1000	1000	800
		17.8	20.0	16.4	18.3	14.9	16.6	13.6	15.2	1800	1400	1250	1400	1250	1000	1250	1250	1000
				18.4	20.0	16.7	18.5	15.3	16.9	2000	1600	1250	1600	1250	1000	1250	1250	1000

钢丝绳芯输送带
Steel Cord Conveyor Belt

结构 Construction



钢丝绳芯输送带包括：

钢丝绳芯：钢丝绳芯按照一定安排排列，他们是带体主要强力的承受者。经过特殊处理的高碳钢丝绳可以承受高强度的拉力和重复的动态压力，并且有良好的柔韧性。钢丝绳经镀锌处理，并且完全嵌入橡胶内。周围的钢丝左右交替缠绕在中心钢丝绳上，保证了输送带运行的直线度。

覆盖胶：上覆盖胶+下覆盖胶，使骨架材料免遭磨损、冲击、水和其他有害的影响

芯胶：特殊胶层，具有良好的粘合性

防撕裂或横向增强层：一层或是两层钢丝帘布（一般用途不需要）

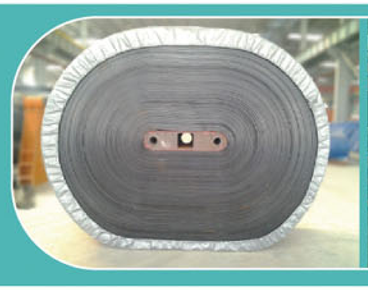
Steel Cord Conveyor Belt consists of:

Steel Cords: steel cords at certain arrangement which become the main tension holder of belt. Special high carbon content steel strand cords with special heat treatment, which makes the cord highly resistant to breakage and repeated dynamic stresses as well as highly flexible. Warp cords are galvanized and fully embedded in rubber. Twist cord alternating right and left hand to ensure the belt go straightly.

Rubber Cover: top rubber cover + bottom rubber cover, protect the carcass from abrasion, impact, water and other injurious influence

Core Rubber: special rubber layer with good steel cord adhesion properties

Rip Stop or Transverse Reinforcement: one or two steel breaker (No need for normal usage)



优势 Advantage

- 拉伸强度高，钢丝绳输送带适用于长距离、高强度、大负荷输送物料
- 使用伸长率小、所需拉紧行程短
- 钢丝绳与橡胶粘着性能好、钢丝绳表面镀锌、同时采用与钢丝绳有良好粘合性的胶料、两者结合在一起、耐冲击、使用寿命长
- 成槽性好、带芯无横向骨架、易于形成深槽、从而多装物料防止散落
- 滚筒直径小、带芯由一层纵向排列的钢丝绳做骨架、耐屈挠疲劳，因此可以使用较小的滚筒，降低能耗
- 钢丝绳张力均匀，由于制造工艺先进，钢丝绳排列均匀、张力一致、运行平稳、不易跑偏

- High tensile strength: steel cord conveyor belt is suitable for transferring materials with long distance, high intensity and large load.
- Small elongation in use: a very short take-up stroke distance needed.
- High adhesion between rubber and steel cord: the steel cord are coated with zinc on the surface, highly adhered to the special core rubber to resistant to heavy impact.
- Good troughability: as the belt body has no transverse carcass, it is easy to form a deep trough to load more materials without leak.
- Small diameter of driving pulley: the belt body has a layer of longitudinally arranged steel cords as its carcass to resistant to flex fatigue. Therefore, driving pulley with smaller diameter can be used to reduce energy consumption.
- Even tension of steel cords: thanks to our advanced techniques in manufacturing, the steel cords are very evenly arranged with the same tension, so the belts are well balanced in running and difficult to run away.

DIN22131 钢丝绳芯输送带主要技术参数表 Technical Data According to DIN22131

技术参数 Technical Data / 规格Specification		ST1000	ST1250	ST1600	ST2000	ST2500	ST3150	ST3500	ST4000	ST4500	ST5000	ST5400
拉伸强度 Tensile Strength (N/mm)		1000	1250	1600	2000	2500	3150	3500	4000	4500	5000	5400
最大钢丝绳直径 Max. Diameter of Cord (mm)		4.1	4.9	5.6	5.6	7.2	8.1	8.6	8.9	9.7	10.9	11.3
钢丝绳间距公差: +1.5 Pitch of Cord Tolerance: +1.5 (mm)		12	14	15	12	15	15	15	15	16	17	17
最小上覆盖胶厚度 Min. Top Rubber Cover Thickness (mm)		4	4	4	4	5	5.5	6.5	7	7.5	8	9
最小下覆盖胶厚度 Min. Bottom Rubber Cover Thickness (mm)		4	4	4	4	5	5.5	6.5	7	7.5	8	9
宽度 Width (mm)		钢丝绳根数 Cord Number										
宽度 Width (mm)	公差 Tolerance (mm)											
500	±5	39	34	–	–	–	–	–	–	–	–	–
650	±7	51	44	–	–	–	–	–	–	–	–	–
800	±8	64	55	50	64	–	–	–	–	–	–	–
1000	±10	81	69	64	81	64	64	64	64	59	55	55
1200	±10	97	84	77	97	77	77	77	77	71	66	66
1400	±12	114	98	90	114	90	90	90	90	84	78	78
1600	±12	131	112	104	131	104	104	104	104	96	90	90
1800	±14	147	127	117	147	117	117	117	117	109	102	102
2000	±14	164	141	130	164	130	130	130	130	121	113	113
2200	±15	181	155	144	181	144	144	144	144	134	125	125
2400	±15	197	169	157	197	157	157	157	157	146	137	137
2600	±15	214	184	170	214	170	170	170	170	159	149	149

国际钢丝绳芯输送带主要技术参数表 Technical Data According to GB

技术参数 Technical Data / 规格Specification	ST630	ST800	ST1000	ST1250	ST1600	ST2000	ST2500	ST3150	ST3500	ST4000	ST4500	ST5000	ST5400	ST6300	ST7000	ST7500
拉伸强度 Tensile Strength (N/mm)	630	800	1000	1250	1600	2000	2500	3150	3500	4000	4500	5000	5400	6300	7000	7500
最大钢丝绳直径 Max. Diameter of Cord (mm)	3.0	3.5	4.0	4.5	5.0	6.0	7.5	8.1	8.6	8.9	9.7	10.9	11.3	12.3	13.5	15.0
钢丝绳间距 Pitch of Cord (mm)	10	10	12	12	12	12	15	15	15	15	16	17	17	18	19	21
上覆盖胶厚度 Top Rubber Cover Thickness (mm)	5	5	6	6	6	8	8	8	8	8	8	8.5	9	10	10	10
下覆盖胶厚度 Bottom Rubber Cover Thickness (mm)	5	5	6	6	6	8	8	8	8	8	8	8.5	9	10	10	10
胶带参考重量 Weight (kg/m³)	18	19.5	22.5	24	25.9	31.8	36.1	40.4	43.8	45	45.1	50.7	53.4	59.6	63.7	68.7
宽度 Width (mm)	钢丝绳根数 Cord Number															
800	75	75	63	63	63	63	50	50	50	–	–	–	–	–	–	–
1000	95	95	79	79	79	79	64	64	64	64	59	55	55	54	49	45
1200	113	113	94	94	94	94	76	77	77	77	71	66	66	63	59	54
1400	133	133	111	111	111	111	89	90	90	90	84	78	78	74	69	63
1600	151	151	126	126	126	126	101	104	104	104	96	90	90	85	80	72
1800	–	171	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

钢丝绳芯输送带
Steel Cord Conveyor Belt

交货状态下及热老化后的钢丝绳抽出强度
Cord Pull-out Force-Delivered State & After Thermal Treatment

交货状态下及热老化后的钢丝绳抽出强度 Cord Pull-out Force-Delivered State & After Thermal Treatment			交货状态下及热老化后的钢丝绳抽出强度 Cord Pull-out Force-Delivered State & After Thermal Treatment		
Strength	Before Aging (N/mm)	After Aging (N/mm)	Strength	Before Aging (N/mm)	After Aging (N/mm)
ST630	60	55	ST3150	140	130
ST800	70	65	ST3500	145	140
ST1000	80	75	ST4000	150	145
ST1250	95	90	ST4500	165	160
ST1600	105	95	ST5000	175	170
ST2000	105	95	ST5400	180	175
ST2500	130	120			

荐用最小滚筒直径 Recommended Min. Pulley Diameters (mm)

型号 Type	ST630	ST800	ST1000	ST1250	ST1600	ST2000	ST2500	ST3150	ST3500	ST4000	ST4500	ST5000	ST5400	ST6300	ST7000	ST7500
最小滚筒直径 Min. Pulley Diameter(mm)	800				1000		1250	1400	1600		1800		2000			

覆盖胶等级及性能 Cover Rubber Property and Grades

项目 Test Items		覆盖胶性能 Cover Rubber Property							
		GB/T9770				DIN22131			
		D	H	L	P	W	X	Y	K
拉伸强度 Tensile Strength	≥Mpa	18	25	20	14	18	25	20	20
扯断伸长率 Elongation at Break	≥%	400	450	400	350	400	450	400	400
老化实验后拉伸强度变化率 Changing Rate of Tensile Strength after Aging (70C,7D)	%	-25~+25	-25~+25	-25~+25	-25~+25	-25~+25	-25~+25	-25~+25	-25~+25
磨耗 Abrasion (mm^3)	≤	90	120	150	200	90	120	150	200

标准及主要技术参数 Standard and Main Technical Data

类型 Type	标准及主要指标 Standard and Main Technical Data
普通型 Normal/Conventional	GB/T9770, DIN22131, JIS6369, AS1333
阻燃型 Fire Resistant	MT668, HG2539, DIN22131
一般难燃型 Conventional Fire Resistant	HG2539II, DIN22103, DIN22131
耐热型 Heat Resistant	HG/T2297, ISO4195
耐磨型 Abrasion Resistant	Shore Abrasion≤90mm^3 DIN22131-W, Shore Abrasion≤70mm^3 AS1333-A
耐热耐磨型 Heat & Abrasion Resistant	Heat Resistance ≤125℃, Shore Abrasion ≤150mm^3
耐酸、碱、油型 Acid, Alkali & Oil Resistant	HG4-846, HG/T3714, RMA (MOR, OR)
耐寒型 Cold Resistant	FragilityTemperature-50℃~-20℃, HG/T3647
耐臭氧型 Ozone Resistant	(Ozone Density) 50PPHM 40℃/72h (No Crack)

大倾角波状挡边输送带
Corrugated Sidewall Conveyor Belt

波状挡边输送带是专为散装物料的大倾角运输而设计，可覆盖0~90度的所有物料运输。它是倾角物料运输中最为技术性、经济性的解决方案，并且有效的节约地面空间。我司生产的挡边输送带采用特殊结构的横向刚性增强基带，解决了输送带在回程过程中的塌带现象。

Sidewall conveyor belt is designed for the transportation of bulk materials at steep or vertical inclined angles and it can cover all applications with inclines from 0 to 90 degrees. It is the most technical and economical solution for steep or vertical incline angle material conveying, saving ground space effectively at the same time. Our special designed base belt with transverse reinforcement can solve the problem of belt collapse.

结构
基带：分层织物芯 (EP/NN/CC) 或钢丝绳
裙边：N型、S型、ES型
隔板：T型、C型、TC型、TS型、TCS型
横向增强层：根据客户需求添加

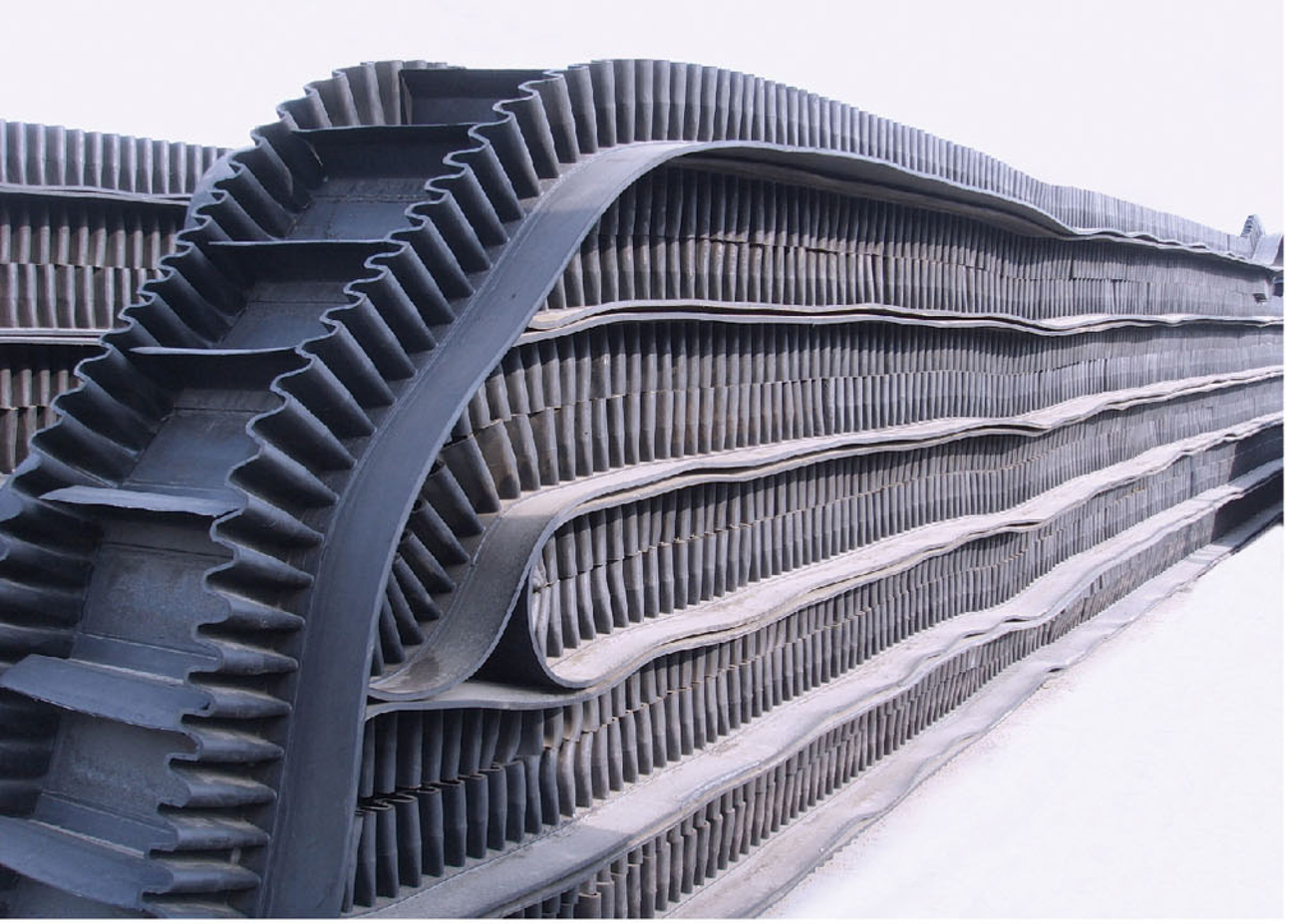
Construction
Base Belt: multi-ply (EP/NN/CC) fabric type or steel cord type
Sidewall: N, S, and ES type
Cleat: T, C, TC, TS and TCS type
Transverse Reinforcement: according to clients' requirement

优势
节省空间
维护费用低
输送量大
可以在0°~ 90° 任意角度输送物料

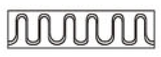
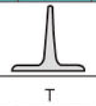
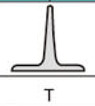
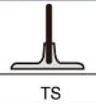
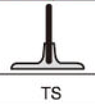
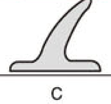
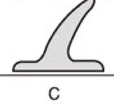
Advantage
Less space requirement
Low maintenance cost
Large capacity
Allows material conveying at 0°~ 90°

应用
钢厂
港口
沙石厂
铸造业
煤厂、矿山
化工厂、化肥厂等

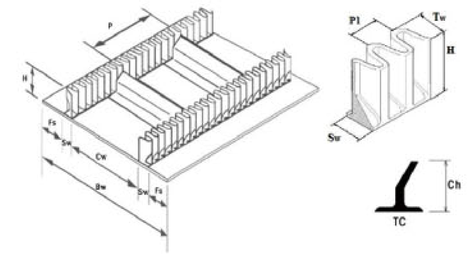
Application
Steel plant
Port
Sand, grave
Foundries
Coal, mining
Chemical, fertilizer, etc



裙边与隔板类型 Type of Sidewall and Cleat

型号 Type / 名称 Name	N					S				ES			
挡边 Sidewall													
高度 Height	40	60	80	100	120	120	160	200	240	300	400	500	630
结构 Structure													
型号 Type	TC					TC				TC			
高度 Height	35	55	75	90	110	110	140	180	220	280			
结构 Structure													
型号 Type	T					T		TS		TS			
高度 Height	35	55	75	90	110	110	140	180	220	280	360	460	580
结构 Structure													
型号 Type	C					C		TCS		TCS			
高度 Height		55	75	90	110	110		180	220	280	360	460	580

大倾角波状挡边输送带
Corrugated Sidewall Conveyor Belt



技术参数 Technical Data

基带宽 Base Belt Width (mm)	挡边高 Sidewall Height (mm)	隔板高 Cleat Height (mm)	挡边宽 Widthof Sidewall Base (mm)	隔板长 Length of Cleat (mm)	空边距离 Insert (mm)
Bw	H	Ch	Sw	Cw	Fs
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	

花纹输送带
Chevron Conveyor Belt

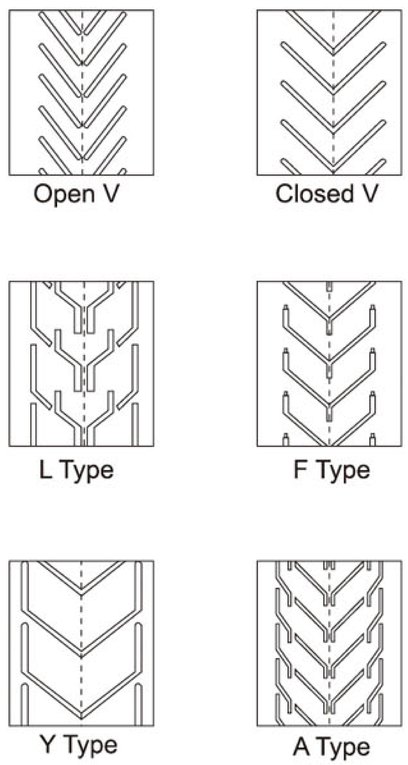
花纹输送带由基带和花纹组成，我司生产的花纹输送带其花纹与基带一次硫化成型，具有使用寿命长，柔韧性好等优点。由于运输的物料和输送机的倾角大小不同，要求的花纹形状和高度也不同。花纹输送带是在有坡度的场所运输物料的最佳选择。

Chevron conveyor belt is composed of base belt and chevron. Our chevron profiles vulcanized on the base belt by one time, which ensures belt's long service life and good flexibility. Chevron types and heights are different because of different conveyed materials and gradients of conveyors. They are the best choice to meet your requirements when higher angles of inclination are required.

规格 Specification

开口 V 型、闭口 V 型、L 型、F 型、Y 型、A 型和 H 型等
可以根据客户要求开发设计新的花纹样式

Chevron profile includes open V type, closed V type, L type, F type, Y type, A type, H type, etc.
New patterns can be developed for customers accordingly.



优势 Advantage

- 防止物料滑落，提高运输效率
- 对于散装物料提升高度可以达到 17° ~ 18°，袋装物料可达到 30° ~ 50°
- 我们花纹带的花纹及间距设计可使输送带回程保持平衡
- 花纹和基带一次硫化成型、粘合强力好、使用寿命长

- Can prevent slipping of materials and improve conveying efficiency
- Can carry bulk materials at angles of 17~18 degrees and bagged materials at angles of 30~50 degrees
- Cleat angle and pitch are designed for smooth travel over return idlers
- Long service life and flexibility because chevron profiles vulcanized on the base belts by one time

应用 Application

- 移动式破碎机和筛选机
- 农场：运输甜菜、谷物、土豆
- 糖厂和盐矿
- 采石场、采沙场
- 水泥厂、石灰厂
- 煤炭和焦炭运输

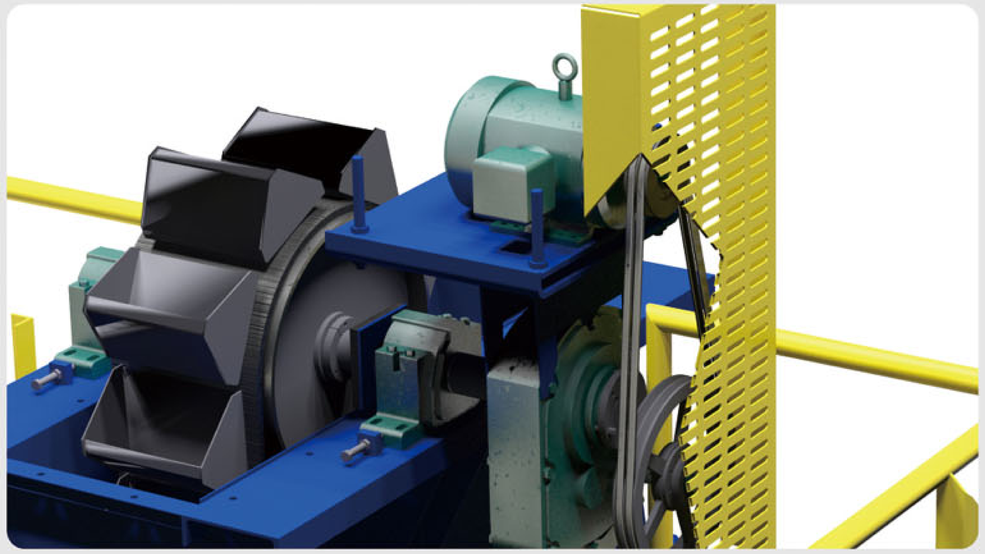
- Mobile crushers and screens
- Farming: conveying beets, grains, potatoes
- Sugar refineries and salt mines
- Quarries, sandpits
- Cement works, lime works
- Coal and coke transport

LONG YUAN

斗提机输送带
Bucket Elevator Conveyor Belt

斗提机输送带被设计并应用于“皮带式”斗式提升机。基于它们的骨架结构，它们以“耐力型选手”著称，并且已被证明具有很长的使用寿命。
采用特殊加强耐撕裂聚酯帆布或用钢丝绳防撕裂层，具有伸长小、输送量大、运行平稳、维护方便的特点。从技术和经济的角度考虑，斗提机输送带是最合适的选择。

Bucket elevator conveyor belt is designed for application in all areas of the belted-type elevators. Due to their carcass construction they are known as an "endurance runner" and they have proven to be reliable conveyor belts with a long service life.
Using a special strengthening tear resistant polyester canvas or wire tear resistant layer, with small elongation, large conveying capacity, stable operation and convenient maintenance, Bucket elevator conveyor belt is the best solution from the technical and cost-efficiency point of view.



规格 Specification

输送带类型 Belt Type	骨架材料 Carcass	帆布种类 Fabric Type	覆盖胶厚度（mm） Rubber Cover Thickness		带宽范围（mm） Width Range
			上覆盖胶厚度 Top Rubber Thickness	下覆盖胶厚度 Bottom Rubber Thickness	
普通型 Conventional Type	聚酯（EP）输送带 EP Belt	EP100~EP400	1.5	1.5	400~2200
	尼龙（NN）输送带 Nylon Belt	NN100~NN400			
	棉帆布（CC）输送带 Cotton Belt	CC56	3.0	3.0	
加强型（防撕裂型） Reinforcement Type	聚酯（EP）输送带 EP Belt	EP100~EP400	4.5	4.5	
	尼龙（NN）输送带 Nylon Belt	NN100~NN400			
	棉帆布（CC）输送带 Cotton Belt	CC56	6.0	6.0	
	钢丝绳输送带 Steel Cord Belt	ST630~ST5000			

优势 Advantage

- 适用于垂直输送物料
- 可承受大工作强度
- 维护方便
- 较高的附着能力
- 巨大的输送能力
- 运行平稳

- Suitable for conveying material vertically
- High working tensions
- Convenient maintenance
- High bucket attachment values
- Great conveying capacity
- Steady running

应用 Application

- 水泥、混凝土搅拌站
- 沥青混凝土搅拌设备
- 沙子、砾石和石业
- 制糖、盐矿、土豆和淀粉厂
- 码头、船舶装卸
- 供热站、发电厂、垃圾焚化厂
- 回收站、堆肥场、选矿厂、铸造厂

- Cement, concrete plants
- Asphalt mixing plants
- Sand, gravel and stone industry
- Sugar refineries, salt mines, potatoes and starch factories
- Dock, ship loading and unloading
- Heating stations, power stations, garbage incineration plants
- Recycling, compost, mineral processing plant, foundries

环形输送带
Endless Conveyor Belt

环形输送带没有明显的接头，不会因接头处早期损坏而影响使用寿命。带子表面平整、张力均匀、因此运转平稳、使用伸长率小。

Endless conveyor belt has been made into endless without obvious joint defect in the belt surface and the belt shall not be shortened in service life due to early failure in the joints of the belt. The belt is flat in surface and even in tension, thus it runs smoothly with low elongation in working.

优势 Advantage

- 带体表面光滑、张力均匀
- 应用性能优异
- 优质的原料
- 柔韧性好、耐用

- Surface of the belt is smooth and even in tension
- Excellent performance
- Optimum raw materials
- Good flexibility and high durability

应用 Application

- 水泥厂
- 铣刨机
- 冶金、焦化、钢铁厂
- 移动式破碎机和筛选机、回收行业

- Cement
- Milling machine
- Metallurgy, coking, steel mill
- Mobile crushing, screening and recycling sectors

耐热输送带
Heat Resistant Conveyor Belt

通常情况下，输送带很容易被高温物料破坏，导致覆盖胶出现裂缝、磨损、硬化或者软化、脱层等现象。为此，我们研发了耐热输送带。我司耐热输送带对水泥、钢、沙等有很强的耐热性，可运输60~200℃的高温物料，瞬时温度可达250℃。

In general, conveyor belt is easily damaged by hot materials and developing cracks or abrasion through stiffening or softening of the rubber cover and separation between plies or between rubber and ply. To prevent possible damages, we have developed heat resistant conveyor belt.

The belt is highly resistant to hot materials such as cement, steel or sand and can convey materials with high temperature from 60 to 200℃ with peak temperature up to 250℃.

优势 Advantage

- 覆盖胶具有高耐热性和耐磨性
- 防止带子表面因为高温出现裂缝或硬化
- 经过特殊热处理，将带芯因热老化而出现的收缩最小化

- Excellent heat resistant and abrasion resistant rubber cover compound
- Protect conveyor belt surface from cracking and hardening that caused by heat
- Special heat-treatment which minimize the carcass shrinkage caused by heat aging

应用 Application

- 水泥厂
- 钢铁厂
- 肥料厂
- 供热站、发电站等

- Cement plants
- Steel and iron industry
- Fertilizer factory
- Heating stations, power stations, etc.

耐热输送带
Heat Resistant Conveyor Belt

耐热带选型 Belt Selection

种类 Type	带体表面温度 Temperature of belt surface（℃）	运输物料的平均温度 Average temperature of transported material（℃）	应用 Application
HR120	120	120~140	焦炭、烧结物、中低温耐热 Coke, sinter and low temperature heat resistant
HR150	150	140~160	钢铁、铸物及烧结矿 Steel, casting and sinter
HR175	175	170~180	水泥熟料、滤渣及干燥粉状物 Cement clinker, residues and dry powder
HR200	200	190~210	温度高于200度的物料 Materials' temperature exceed 200℃
HOR	120	120~140	沥青等含油物料 Asphalt and other oily material

一般用途阻燃输送带
Flame Resistant Conveyor Belt

K 型：用于地上，运输易燃易爆物料，如煤炭粉末等。

K Type: used on ground, for transportation of inflammable and explosive materials such as coal dusts, etc.

优势 Advantage

- 阻燃、耐磨
- 使用寿命长、拉伸强度大
- 在高温环境下，具有良好的性能
- 能够防止因静电引起的爆炸

- Flame resistant, abrasion resistant
- Longer using life and high tensile strength
- Capability of delivering superior performance under extreme temperatures
- To guard against risks of explosion due to the accumulation of static electricity

应用 Application

- 阻燃输送带广泛应用于发电厂、供热站、水泥厂、铸造厂、煤炭、采矿业、钢铁厂、隧道建设、垃圾焚化站等。
- They are widely used in power plants, heating stations, cement plants, foundries, coal, mining, steel mills, tunnel construction, garbage incineration plants, etc.

技术参数 Technical Data

测试项目 Test Item	测试方法 Test Method	单位 Unit	标准值 Standard Value
六个有覆盖层试样的火焰持续时间合计 The total duration of after-burning from 6 experiments	ISO340	秒（S）	最大45（Max.45）
单个试样火焰持续时间 Individual Duration	ISO340	秒（S）	最大15（Max.15）
火焰再燃性 Catch fire again	ISO340	–	没有（No）
抗静电性能 Electrical Resistant	ISO284	欧姆（Ω）	$3x10^8$

煤矿井下用钢丝绳阻燃输送带

Flame Resistant Steel Cord Conveyor Belt for Underground Coal Mining

结构 Construction

抗拉体选用高强度、低延伸镀锌钢丝绳、上下复合配以阻燃、抗静电优质覆盖胶材料，在恒张力作用下通过粘合成型，硫化后使其能适应煤矿阻燃、导静电环境下物料输送。产品符合MT668-2008标准，并取得相关证书。

Tensile holder of the belt with high strength, low elongation zinc galvanized steel cord and high quality flame resistant and anti-static rubber cover materials can be used to convey materials for underground coal mining environment with flame and static by molding, vulcanizing under constant tension. Our products meet the standard of MT668-2008 and we have obtained the relevant certificates.

用途 Application

适用于煤矿井下，阻燃抗静电环境中使用。具有阻燃性能好、抗静电效果佳、拉伸强度大、使用寿命长、使用时其伸长小、成槽好、耐曲挠性能好等优点。适用于长距离、运量大、跨度大和高速物料的输送。

They are widely used in underground coal mining with the advantages of flame resistant and anti-static, high tensile strength, longer using life, low elongation, good troughability and good flexibility. Belts are suitable for long distance, heavy load, large span and high speed transportation of materials.

耐油输送带
Oil Resistant Conveyor Belt

覆盖胶采用高丙烯腈含量的丁腈胶为主体材料，采用聚脂帆布、尼龙帆布、棉帆布或钢丝绳为骨架层。适用于输送含油物料或接触各种油的环境中。具体有体积变化率低，强度保持高，使用范围广等优点。

The cover rubber is mainly made of nitrile butadiene rubber (NBR) with high acrylonitrile content. And polyester canvas, nylon canvas or cotton canvas is used as carcass of belt. The belt is applicable for the environment of conveying oil-containing materials or contacting various kinds of operating oil, which with features of low volume changing rate, high strength retention and wide application range, etc.

结构 Construction

- 丁腈橡胶（NBR）为覆盖胶
- 聚酯帆布、尼龙帆布、棉帆布或钢丝绳为骨架材料
- 具有很好粘合性的特种橡胶层

- Nitrile butadiene rubber (NBR) as cover rubber
- EP fabric, nylon fabric, cotton fabric or steel cord as carcass
- Special rubber layer with good adhesion properties (skimmed layer)

优势 Advantage

- 性能良好、耐油
- 扩张性降低、延长寿命

- Good performance of oil resistant
- Distensibility reduced, belt life extended

用途 Application

- 回收选矿厂、垃圾分类站、堆肥机
- 混凝土厂
- 木材产业和锯木厂
- 玉米和油菜、熟土的输送
- 造纸厂等

- Recycling and mineral processing plants, waste sorting and compost machines
- Concrete plants
- Timber industry and sawmills
- Corn, oilseed rape and mellow soil conveying
- Paper industry, etc

耐寒输送带
Cold Resistant Conveyor Belt

选用聚酯帆布、尼龙帆布、棉帆布或钢丝绳作为带芯。覆盖胶采用天然橡胶与顺丁橡胶的混合胶，具有弹性高、耐冲击、耐寒性等特点，能在-45℃以上的低温下正常使用。

The product selects EP fabric, nylon fabric, cotton fabric or steel cord as carcass. Cover rubber selects a blend of NR and BR, which has the properties of high elasticity, impact resistance and cold resistance, etc. It can be used at temperature above -45℃.

结构 Construction

- 覆盖胶采用天然橡胶与顺丁橡胶的混合胶
- 聚酯帆布、尼龙帆布、棉帆布或钢丝绳为骨架材料
- 芯胶使用特殊橡胶，具有良好的织物粘合性

- NR and BR blend as cover rubber
- EP fabric, nylon fabric, cotton fabric or steel cord as carcass
- Special rubber layer with good adhesion properties (skimmed layer)

优势 Advantage

- 适用于在寒冷地区或冷冻仓库环境中输送各种类型的物料
- 可以在温度- 45℃下工作

- Suitable for conveying various types of materials in cold region or frozen warehouse environment
- Can work above temperature of -45℃

用途 Application

- 冷冻仓库中输送
- 在露天寒冷地区使用

- Conveying materials in cold stores
- Used at outdoor in cold regions

耐酸碱输送带
Acid & Alkali Resistant Conveyor Belt

选用耐酸碱的材料加工制成覆盖胶，具有良好的抗化学腐蚀性能和良好的物理性能。选用聚酯帆布、尼龙帆布、棉帆布或钢丝绳作为带芯，带体弹性好、成槽性能好、使用伸长率小。该类型输送带被用于运输强腐蚀性物料或者强酸碱性物料。该类型输送带降低运输物料对输送带覆盖胶的腐蚀性，从而延长输送带的使用寿命，因而被用于运输强腐蚀性物料或者强酸碱性物料。

Materials with good chemical resistant and good physical properties are made as cover rubber. Select EP fabric, nylon fabric, cotton fabric or steel cord as carcass of belt, which has good elastic, good troughability and lower elongation. Such belt is used to convey corrosive or acid & alkali materials since it can reduce the corrosion of rubber cover so as to extend the belt life.

结构 Construction

- 聚酯帆布、尼龙帆布、棉帆布或钢丝绳为骨架材料
- 具有很好粘合性的特种橡胶层

- EP fabric, nylon fabric, cotton fabric or steel cord as carcass
- Special rubber layer with good adhesion properties (skimmed layer)

优势 Advantage

- 耐酸碱性能良好
- 粘合性好
- 弹性好

- Good performance of acid & alkali resistant
- Good adhesion
- Good elasticity

用途 Application

- 腐蚀性物料的输送
- 化肥厂
- 化工厂
- 造纸厂
- 矿业等

- Corrosive material conveying
- Fertilizer factory
- Chemical factory
- Paper mill
- Mining industry, etc

管状输送带
Pipe Conveyor Belt

管状输送带工作时，胶带由平面渐变成U型，最后成为管状将物料包住，实现封闭运输。

When working, pipe conveyor belt changes its form from flat to U shape and finally to pipe shape, folding the materials and realizing the process of enclosed conveying.

结构 Construction

- 上覆盖胶
- 中间胶
- 下覆盖胶
- 骨架层

- Top rubber cover
- Middle rubber
- Bottom rubber cover
- Carcass

优势 Advantage

- 实行封闭输送，物料无飞扬、洒落、保护环境
- 更好的成管性能
- 弯曲性能好

- Sealed conveying, no spillage, no dust, protect environment
- Have better pipe shape
- Excellent flexibility

LONG YUAN
LONG YUAN

用途 Application

- 集散场合
- 水泥厂
- 采石场
- 发电厂
- 钢厂等

- Aggregate
- Cement factory
- Quarry factory
- Power generation
- Steel plant, etc

标准
Standards

标准 Standards		拉伸强度 Tensile Strength (≥Mpa)	扯断伸长率 Elongation at Break (≥%)	磨耗量 Abrasion (≤mm³)
DIN	Z	15	350	250
	W	18	400	90
	Y	20	400	150
	K	20	400	200
	X	25	450	120
RMA	Ⅱ	14	400	175
	Ⅰ	17	400	125
AS	S	14	300	250
	A	17	400	70
	N	17	400	200
	M	24	450	125
SABS	N	17	400	150
	A	18	400	90
	C	20	400	150
	M	25	450	120
JIS	P	8	300	400
	G	14	400	250
	A	14	400	150
	S	18	450	200
	H	24	450	120
BS	N	17	400	125
	M	24	450	120
GB	L	15	350	200
	D	18	400	100
	H	24	450	120

密炼中心
Mixing Center

优势 Advantage

- 自动称重
- 自动配料
- 自动投料
- 提高生产效率
- 减少能源消耗
- 节省人力
- 提高产品质量

- Automatic weighting
- Automatic batching
- Automatic feeding
- Productive efficiency enhanced
- Energy consumption reduced
- Less manpower needed
- Improve the product quality

实验设备
Test Machine

滚筒摩擦试验机
Drum Friction Test Machine

物理实验室
Physical Laboratory

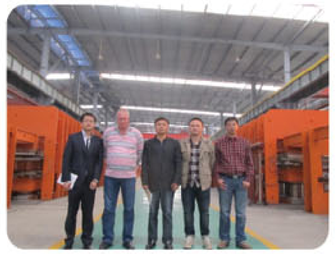
热老化试验箱
Aging Oven

拉伸强力试验机
Strength Test Machine

门尼粘度计
Mooney Viscometer

化学实验室
Chemical Laboratory

展会及客户来访
Expo and Customer Visting



QUALITY MANAGEMENT SYSTEM

CERTIFICATE

Certificate No.: 00116Q20260R1M/3700

We hereby certify that

Shandong Longyuan Rubber Co., Ltd.

Organisation Code Certificate: 87367167-0

Lijin Economic Development Zone Dongying City Shandong Province,P.R.China

by reason of its

Quality Management System

has been awarded the certificate for compliance with the standard

ISO9001: 2008 GB/T 19001-2008

The Quality Management System Applies in the following area.

Production of rubber conveyor belt

Certified since: January 14, 2013 Valid from: January 7, 2016 Valid until: January 13, 2019

For a surveillance cycle, the certificate is valid only when used together with an Acceptance Notice of Surveillance Audit issued by CQC.

Please access www.cqc.com.cn for checking validity of the certificate.

This certificate and its relevant information can query in the website of Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn).

(The validity of the ISO9001:2008 certificates expires on 15/09/2018. Please transfer to new edition certificates before that time.)

IAF CNAS IQNet

CHINA QUALITY CERTIFICATION CENTRE

Q 0004198

车间
Workshop

专业橡胶输送带生产商

Professional Rubber Conveyor Belt Manufacturer

山东隆源橡胶有限公司

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