

聚酯输送带

1.1 EP Conveyor Belt



Top Cover Layer: High abrasion resistance rubber

Carcass: Plies of polyester in warp and nylon fabric in weft and skimmed layer

Bottom Cover Layer: High abrasion resistance rubber

Tensile Strength: 500 ~ 3200N/mm

Belt Width: 500 ~ 3200mm

Applicaition: Suitable for medium, long-distance, and heavy-load delivery of materials in metallurgy, steel plant, building material, construction, chemical, machinery equipment, port, etc.

Features: Lower elongation in the warp and good troughability in the weft, excellent resistance to moisture, wet, and mildew, strong adhesion between the carcass layers and the rubber cover, high tensile strength, exceptional elasticity.

Product Specification:

EP Conveyor Belt Specification									
Fabric Type	Fabric Specification	Fabric Layer Thickness (mm)	Fabric Strength (N/mm)			Covering Layer Thickness (mm)		Width (mm)	Length (m)
			2 Layer	3 Layer	4 Layer	Top Layer	Bottom Layer		
EP/Polyester	EP-80	1.00	160	240	320	2.0-8.0	0-4.5	300-2000	20-300
	EP-100	1.00	200	300	400				
	EP-125	1.05	250	375	500				
	EP-150	1.10	300	450	600				
	EP-170	1.15	340	510	680				
	EP-200	1.20	400	600	800				
	EP-250	1.40	500	750	1000				
	EP-300	1.60	600	900	1200				
	EP-350	1.70		1050	1400				
	EP-400	1.90			1600				
EP-500	2.10			2000					

Adhesion and Elongation					
Carcass	Interlayer N/mm	Adhesion		Elongation at break	
		N/mm between rubber and carcass		Longitudinal elongation at break	Longitudinal reference elongation
		Rubber thickness ≤ 1.5mm	Rubber thickness >1.5mm		
EP/Polyester Canvas	≥4.50	≥3.2	≥3.5	≥10%	≤4%

Cover Performance of EP Conveyor Belt					
Cover Level	Tensile strength		Elongation at break	Abrasion	Change rate of tensile strength and elongation at break after aging
	≥	≥	≥	≤	
	Mpa	Kgf/cm ²	%	mm ³	%
Heavy	24	240	450	120	-25 ~ +25
Medium	18	180	400	100	-25 ~ +25
Light	15	150	350	200	-30 ~ +30

尼龙输送带



1.2 NN Conveyor Belt

Top Covering Layer: High abrasion resistance rubber

Carcass: Nylon fabric or nylon fibers in warp and weft

Bottom Covering Layer: High abrasion resistance rubber

Tensile Strength: 500 ~ 3200N/mm

Belt Width: 500 ~ 3200mm

Application: Suitable for medium, long-distance, and heavy-load transportation of materials in a wide range of industries, such as metallurgy, steel plant, building material, chemical, machinery equipment, energy, etc.

Features: High abrasion resistance, high tensile strength, good fatigue resistance, excellent troughability, strong adhesion between plies, exceptional flexibility, long working life.

Product Specification:

NN Conveyor Belt Specification							
Fabric Type	Fabric Specification	Fabric Layer Thickness (mm)	Single Fabric Strength (N/mm)	Covering Layer		Width (mm)	Length (m)
				Top Layer	Bottom Layer		
Nylon/NN	NN-100	0.70	100	1.5-8	1-4.5	300-1800	20-300
	NN-125	0.75	125				
	NN-150	0.80	150				
	NN-200	0.90	200				
	NN-250	1.10	250				
	NN-300	1.25	300				
	NN-350	1.35	350				
	NN-400	1.70	400				
	NN-500	1.80	500				

Adhesion and Elongation					
Belt	Adhesion			Elongation at break	
Carcass	Interlayer N/mm	N/mm between rubber and carcass		Longitudinal elongation at break	Longitudinal reference elongation
		Rubber thickness ≤1.5mm	Rubber thickness > 1.5mm		
Nylon Canvas	≥4.50	≥3.2	≥3.5	≥10%	≤4%

Cover Performance of NN Conveyor Belt					
Cover Level	Tensile strength		Elongation at break	Abrasion	Change rate of tensile strength and elongation at break after aging
	≥		≥	≤	
	Mpa	Kgf/cm ²	%	mm ³	%
Heavy	24	240	450	120	-25 ~ +25
Medium	18	180	400	100	-25 ~ +25
Light	15	150	350	200	-30 ~ +30

耐高温输送带

1.3 Heat Resistant Conveyor Belt

Top Covering Layer: SBR, EPDM, or CR rubber with good heat resistance

Carcass: Plies of cotton canvas or polyester canvas

Bottom Covering Layer: SBR, EPDM, or CR rubber with good heat resistance

Standard: GB/T20021-2005

Tensile Strength: 500 ~ 3200N/mm

Belt Width: 500 ~ 3200mm



Can bear high temperature ranging from 250°C to 600°C

Application: Mainly used to convey hot materials or high-temperature materials in metallurgy, steel plant, casting, building material, coking, chemical, energy, etc.

Features: Exceptional high temperature resistance, high tensile strength, good resistance to tear and abrasion, high strength carcass construction.

Product Specification:

Item		Classes			
		T1	T2	T3	T4
		Test Temperature			
		≤100°C	≤125°C	≤150°C	≤175°
		Change Range Allow			
Hardness	The difference between the before and after aging	20	20	±20	±20
	Maximum value after aging	85	85	85	85
Tensile Strength	Performance change rate	-25	-30	-40	-40
	Minimum value after aging	12	10	5	5
Elongation	Change rage after aging	-50	-50	-55	-55
	Minimum value after aging	200	200	180	180
Adhesive	Top Cover Rubber to Ply	Average value	2.1		
		Minimum value	1.7		
	Ply to Ply	Average value	2.1		
		Minimum value	1.7		
	Ply to Bottom Cover Rubber	Average value	2.1		
		Minimum value	1.7		

阻燃输送带

1.4 Fire Resistant Conveyor Belt



Top Covering Layer: Flame-retardant rubber

Carcass: Nylon or polyester canvas

Bottom Covering Layer: Flame-retardant rubber

Application: Suitable for conveying materials in heating plants, power plants, waste incineration plants, iron and steel plants, foundries, tunnel construction and underground mine.

Features: Highly flame retardant and anti-static, good resistance to impact and wear, excellent resistance to chemical corrosion, prevent fire from spreading through the entire conveyor belt and ensure the personal and property safety.

Product Specification:

Overlay Performance			
Executive standard: GB/T 10822-2003			
Project	Company	Level L	Level D
Tensile Strength	Mpa	≥14	≥18
Elongation at break	%	≥400	≥450

Safety Performance		
Project	Flame Retardant Grade	
	K2	K3
Flame duration	The total flame duration of six coated specimens is not more than 45s, and any single value is not more than 15s.	The average flame duration of three coated specimens is not more than 60s.
Electrostatic conductivity	≤3*10 ⁸ Ω	
Reburing property	No flame shall reappear on any specimen.	

耐油输送带

1.5 Oil Resistant Conveyor Belt



Top Covering Layer: Oil-resistant NBR rubber

Reinforcement: Nylon canvas or polyester canvas

Bottom Covering Layer: Oil-resistant NBR rubber

Technical Standard: HG/T3714-2003

Application: Can be used to convey oily or greasy materials under oily working environment in metallurgy, steel plant, chemical, energy, building materials and construction, port, etc.

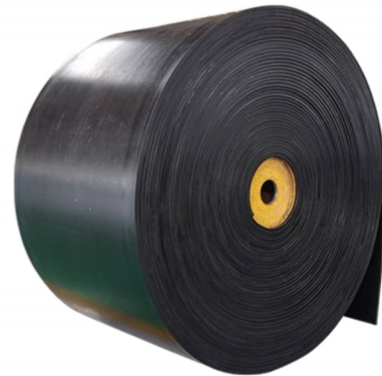
Features: Superior oil and grease resistance, low rate of volume change, good flexibility and durability, excellent resistance to wear and tear, high versatility.

Product Specification:

Grade	Tensile Strength	Elongation at Break	Maximum Abrasion Loss	Polymer/Rubber	Working Temperature Range	Application
Oil Resistance	Mpa	% Minimum	mm ³		°C	
OR	15	300%	150	NBR Blend	-30-+60	For materials like grains, refuse, woodchips, fertilizers coated with oil, coated coal/coke, etc.
MOR	12	300%	300	NBR Blend	-30-+50	For materials with moderate amount of oil like grain, refuse, recycling waste, wood pulp, pinewood, etc.

耐酸碱输送带

1.6 Acid-alkali Resistant Conveyor Belt



Top Covering Layer: Chemical resistant rubber materials

Carcass: Nylon canvas, cotton canvas, or polyester canvas

Bottom Covering Layer: Chemical resistant rubber materials

Technical Standard: HG/T3782-2005

Application: Specifically designed for conveying corrosive materials or materials containing acid and alkali in chemical factory, chemical fertilizer plant, paper mills, etc.

Features: Superior chemical resistance, anti-corrosion, excellent flexibility, good troughability, low elongation rate, exceptional physical properties.

Product Specification:

Technical Indexes							
Executive standard: HG/T 3782-20							
Project			Tensile strength (Mpa)	Elongation at break (%)	Wear volume (mm ³)	Hardness (AO)	Ozone aging
Cover gum	Physical property	Before aging	≥14.0	≥400	≥250	55-70	No crack
		After aging	≥12.0	≥340	--	60-75	--
	Acid and alkali resistance	Category	Soaking solution	Concentration	Soaking condition	Performance change rate before	
						Volume expansion rate	Tensile strength change rate
		A1	hydrochloric acid	18%	50 °C ×96h	+10% Following	-10% within
		A2	sulphuric acid	50%	50 °C ×96h	+10% Following	-10% within
A3	sodium hydroxide	48%	50 °C ×96h	+10% Following	-10% within		
Test conditions: Ozone concentration (50±5)*10(volume fraction), temperature (40±2) °C, elongation (20±2)%, time 15h							

耐寒输送带



1.7 Cold Resistant Conveyor Belt

Top Covering Layer: Natural rubber and BR (butadiene rubber) blend

Carcass: Nylon canvas or polyester canvas

Bottom Covering Layer: Natural rubber and BR (butadiene rubber) blend

Application: Extensively used for conveying materials in outdoor cold environment or freezing warehouses in such industries as cement, coal mines, quarries, power stations and steel mills.

Features: Superior cold resistance, good elasticity, excellent impact resistance.

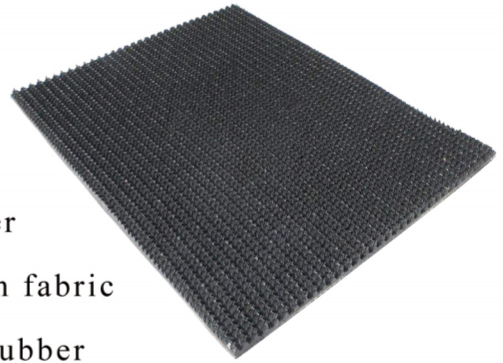
Technical Data: 1. Based on the properties of the cover layer, the belt can be divide into three types: laceration resistant type (H), anti-abrasion type (D), and ordinary type (L). 2. The belt can be divided into C1 type and C2 type according to the cold resistance. Working temperature of C1 type: $-45^{\circ}\text{C} \sim +50^{\circ}\text{C}$; working temperature of C2 type: $-60^{\circ}\text{C} \sim +50^{\circ}\text{C}$

Product Specification:

Limit deviation of overburden thickness			
Executive Standard: HG/T3647-2014			
Nominal thickness of upper and lower cover	Limit deviation		
≤ 4	Upper deviation: Unspecified lower deviation: 0.2 mm		
> 4	Upper deviation: Unspecified lower deviation: 5% of basic size		
Physical properties of overburden			
Executive Standard: HG/T3647-2014			
Project	Index		
	H	D	L
Tensile strength Mpa (Not less than)	24	18	15
Elongation at break/% (Not less than)	450	400	350
Wear volume/mm ³	120	100	200
Aging test (70°C × 168h) Tensile strength change rate/% elongation change rate at break/%	-25 ~ +25	-25 ~ +25	-25 ~ +25
Cold resistance	Tensile strength change rate/%	C1(-45°C)	±20
		C2(-50°C)	±25
	Change rate of elongation at break/%	C1(-45°C)	±20
		C2(-50°C)	±30
Notes: C1-The ambient temperature is: $-45^{\circ}\text{C} \sim +45^{\circ}\text{C}$; C2-The ambient temperature is $-50^{\circ}\text{C} \sim +45^{\circ}\text{C}$			

粗糙顶部输送带

1.8 Rough Top Conveyor Belt



Top Covering Layer: Wear-resistant rubber

Carcass: Plies of synthetic polyester or nylon fabric

Bottom Covering Layer: Wear-resistant rubber

Application: Appropriate for transportation of fragile or easily deformed materials and packaged objects, including sacks, boxes, parcels, or cartons, especially for transportation on inclined surface at an angle of 35 degrees.

Features: Provide strong grip to the goods being conveyed and cushioning effect, absorb vibration and impacts, prevent goods from falling or slipping, good tensile strength, low elongation.

Product Specification:

Ply	Top Cover	Bottom Cover	Length	Color	Width
2	1/8" (3.2mm)	Bareback	200m per roll	Black	1350mm-1500mm cut edge
2	1/8" (3.2mm)	1/16"(1.6 mm)			
3	1/8" (3.2mm)	Bareback			
3	1/8" (3.2mm)	1/16"(1.6 mm)			

环形输送带

1.9 Endless Conveyor Belt



Top Covering Layer: CR or NBR rubber

Carcass: Nylon, fabric, or cotton canvas

Bottom Covering Layer: CR or NBR rubber

Application: Mainly used to transport industrial goods from one location to another, for material conveying in mining, quarries, metallurgy, warehousing logistics, chemical plants, agriculture, etc.

Features: Excellent resistance to abrasions and chemicals, good elasticity, excellent durability and reliability, no belt carcass joints, flat surfaces and consistent tension.

Product Specification:

Classification	Ply	Top Cover	Bottom Cover	Length
RT1	2	1/8" (3.2mm)	Bareback	200m per roll
RT2	2	1/8" (3.2mm)	1/16"(1.6 mm)	
RT3	3	1/8" (3.2mm)	Bareback	
RT4	3	1/8" (3.2mm)	1/16"(1.6 mm)	

Classification	Color	Width
RT1	Black	1350mm-1500mm cut edge
RT2		
RT3		
RT4		