

# Polyester Canvas (EP) Conveyor Belt

The polyester conveyor belt is also called EP conveyor belt. Its framework material is the polyester canvas interwoven with meridian terylene and latitudinal polyamide fiber. It is characterized with excellent endurance, good water-resistance, no lowering of strength in humidity, mildew-proof, and high load of initial models. It is applicable to convey materials in medium and long distance, with high-load, and at high speed.



## 1.) Specification and technical data of multi-ply polyester conveyor belt

Fabric Type	Fabric Structure		Fabric Spec.	Ply Thick (mm/p)	Strength series (N/mm)					Cover Rubber Thickness (mm)		Width (mm)	Length (m)
	Wrap	Weft			2Ply	3Ply	4Ply	5Ply	6Ply	Up	Low		
Polyester (EP)	Polyester (E)	Polyamide (P)	EP-100	0.80	200	300	400	500	600				
			EP-150	0.90	300	450	600	750	900			400~2000	
			EP-200	1.05	400	600	800	1000	1200				
			EP-250	1.25	500	750	1000	1250	1500	2.0~8	0~4.5	500~2000	≤ 300
			EP-300	1.35	600	900	1200	1500	1800				
			EP-350	1.50		1050	1400	1750	2100				
			EP-400	1.80			1600	2000	2400			600~2000	
			EP-500	2.00			2000	2500	3000				

## 2.) Adhesion and elongation of the belt

Belt Carcass	ADHESIVE STRENGTH		ELONGATION	
	Between Plies	Between rubber and carcass (N/mm)	Longitudinal	Longitudinal elongation

	N/mm	Rubber thickness ≤ 1.5mm	Rubber thick>1.5mm	elongation at break % ≥	at reference load % ≤
EP Canvas	≥ 4.50	≥ 3.20	≥ 3.50	10	4.0

### 3. Cover properties of the belts

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
Aging test (70°C.7D) change rate of tensile strength	%	-25~+25	-25~+25	-25~+25	-25~+25	-25~+25	-25~+25	-25~+25
Abrasion (MM3)	≤	90	120	150	200	90	120	150

STRONGFLEX is a professional manufacturer and exporter of Conveyor Belt in China.

"CONSECUTIVE GOOD QUALITY ! BOTTOM LOWEST PRICES! TIMELY DELIVERY ! " has won a good prize and reputation from market for us. Strongflex People will take this as a good chance, and will sincerely and friendly cooperate with friends from all the world.

**Note:** Products can be produced according to clients' request

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