

Flat Belts-Technical Manual



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Characteristic >>>

PVC belts

- 14mm gypsum belts available
- 4 M width available

PU belts

- Conductive belts
- Double sides belts
- Frayless food belts
- 4 M width available
- Extraline processing belts available

High performance belts

- Conductive belts
- Aramide tension layer available(TF-)
- Multi-machine tapes
- Hytrel available

- Machine 4.5M press available

Applications>>>

- Textile
- Printing
- Nonwoven & Hygiene Products
- Print & Paper
- Food & Tobacco
- Metal process
- MDF OSB HDF
- Logistics
- Tyre
- Treadmill & Others
- Machinery



COMPANY>>>

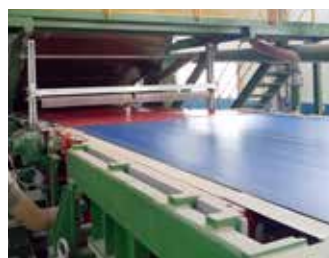
HIGHTEN is devoted to providing comprehensive solutions for transmission belts and conveyor belts. Now Highten has been a one-stop professional supplier and service provider by integrating global developed application team, basing on the traditional international transmission belts of ODM plant, innovating OEM products and elaborating the finished products. Highten focuses on the market needs, with constant development and innovation, meanwhile we have cooperation with R&D department and university laboratory as well as international professional laboratory. Highten aims to solve various applications and requirements, because we have outstanding talents, industry knowledge and enough experience in manufacturing.



Product series >>>



- Printing Blankets
- High Performance Flat Belts
- Conveyor Belts
- Round Belts
- Spindle Tapes
- Engineered Belts
- ELX Elastoflex Belts
- GLX & U500 Feed Belts
- V-Belts & Ribbed Belts
- Timing Belts
- Ziplink Belts



Classification, Structure and Characteristics

Product series	Elastic Transmission Belts	Fabric Basement Engineered Belts/ Fabric Basement Power Transmission Belts	PA Fabric Basement Belts/ Polyamide Foil Belts
Tension layer material	Composed of polymer tension layer (Elastic flat belts, Elastic round belts)	Composed of thermoplastic polyester	Composed of PA foil or polyamide fabrics
Characteristic	<ul style="list-style-type: none"> Light transmission No tensile wheel 	<ul style="list-style-type: none"> Light weight Electricity saving Stable size, not affected by temperature and moist 	<ul style="list-style-type: none"> Tearing resistance and cutting resistance Impact resistance load Long service lives
Working temperature	-20/+60°C	-20/+70°C	-20/+100°C
Elongation rate	3.0~6.0%	1.0~2.0%	1.5~3.0%
Splice	Flexproof / Thermofix (Pg15 table ①③)	Flexproof / Thermofix (Pg15 table ①③)	Thermofix (Pg15 table ③)

Polyamide Foil Belts as a kind of polymer material, which is easily affected by temperature and moist, please pay attention to storage method and using process: When the temperature rises from 20 degrees to 60 degrees, the polyamide foil belts extend to 0.4%; when the moist increases from 20% to 80%, the elongation of polyamide foil belts will reach to 0.6% reach a maximum elongation of 0.6%.

Polyamide Foil Belts Material Introduction

The layer (coating) material

G : Rubber	N : Special leather	T : PET fabric	U : Elastomer
F : PA	L : Leather	E : High functional conveyor belts	

Type examples

TG,GT-The friction layer is rubber / fabric surface	NBR-Nitrile-butadiene rubber	UU-Double-sided elastic material	PA-Polyamide
TU-The friction layer is elastic / fabric surface	XNBR-Carboxyl nitrile-butadiene rubber	PU-Thermoplastic polyurethane	PET-Polyester
FUT/EUX-Special functional conveyor belts	GG-Double-sided rubber	LT-Single-sided leather	PAS/CO-Nylon fabric & cotton
GN-Rubber on one side, special leather on the other one	GX- Natural rubber	LL-Double-sided leather	NN-Double-sided
ELX-ELX compound	GLX-Linatex	PA Foil-Polyamide Foil	W- Wool

XNBR

- Highly wear-resistance
- Good adhesiveness and aging resistance
- With outstanding high tension and tearing resistance, also called high tension rubber
- Adopt carboxyl rubber improve the oil resistance

Natural Rubber GX, GLX

- Higher elasticity
- Higher wear-resistance
- Better toughness
- Stronger friction

Note:




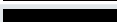









Different tolerance to chemical reagents, ozone and ultraviolet rays.

ELX Rubber

- Good flexibility (up to minus 20 °C)
- Close to the elasticity of rubber
- Superior heat-jointing
- High friction

The K1% of the transmission belts is that of the running-in, and the K1% of the running-in belts is smaller than that of the static (national standard)

Elastic Power Transmission Belts

Belts type	Friction surface	Colour	Tickness(approx.)	Min. pulley(dia.)	Shaft load at 6% elongation	Running in K6%
			(mm)	(mm)	(N/mm)	(N/mm)
UU-08US	U		0.8	8	1.6	0.8
UU-09	U		1.1	15	1.6	0.8
UU-09SG	U		1.1	15	1.6	0.8
UU-09BKR	U		1.2	15	2.4	1.2
UU-10R	U		1.4	15	1.6	0.8
UU-10UUS	U		1.2	20	2.0	1.0
UU-10WUS	U		1.2	20	2.0	1.0
UU-15SG	U		1.5	25	2.0	1.0
UU-15SGT	U		1.5	20	4.0	2.0
UU-15UUS	U		1.5	25	3.0	1.5
UU-20UUS/AS	U		1.1	20	3.0	1.5
UU-24BL	U		1.6	25	7.0	3.5
UU-30BLR	U		3.0	40	6.0	3.0

PET Fabric Power Transmission Belts

Permanent antistatic treatment

Belts type	Material		Colour	Thickness (mm)	Min.pulley (dia.) (mm)	Shaft load at 1% elongation (N/mm)	Running in K1% (N/mm)	Characteristic and Reference	
	Conveying side	Running side							
GG-E15/20M	XNBR	XNBR		2.0	25	20	10	<ul style="list-style-type: none"> • "No splice" tangential belts • High modulus, high tension • Low extension(Only 1%) 	
GG-E10/20BKT	XNBR	XNBR		2.1	25	20	10		
GG-E12/24BKT	XNBR	XNBR		2.5	45	24	12		
GG-E15/25BKM	XNBR	XNBR		2.5	30	30	15		
GG-E12/24BKT	XNBR	XNBR		2.4	45	24	12		
GG-E10/20HT	XNBR	XNBR		2.0	25	20	10		
GG-E17/26BK	XNBR	XNBR		2.6	30	34	17		
GG-E17/26HT	XNBR	XNBR		2.6	30	34	17		
GG-E15/30HT	XNBR	XNBR		3.0	50	30	15		
GG-E18/30DHR	XNBR	XNBR		3.2	50	36	18		
GG-E10/20GYT	XNBR	XNBR		2.1	25	20	10		
GG-A50/35	XNBR	XNBR		3.5	115	50	50		Elongation of kevlar core is 0.3-1.0%

PET Fabric Engineered Belts

Permanent antistatic treatment

Belts type	Material		Colour	Thickness (mm)	Min.pulley (dia.) (mm)	Shaft load at 1% elongation (N/mm)	Running in K1% (N/mm)	Characteristic and Reference	
	Conveying side	Running side							
NT-E4/16	N	PET		1.5	20	8	4	Special leather surface, no scratch	
NN-E4/16	N	N		1.6	20	8	4		
NN-E4/20	N	N		2.0	24	8	4		
NT-E8/36W	PET	PET		3.6	60	16	8	<ul style="list-style-type: none"> • High anti-acid & alkali, no scratch 	
UU-E4	U	U		1.5	14	8	4		
NN-25	PET	PET		2.5	25	36	18		
TR-E4	NBR	PAS/CO		0.8	15	8	4		
TS-4N	NBR	PAS/CO		0.6	10	2.8	1.4		
TS-4S	NBR	PAS/CO		0.6	10	2.8	1.4		
TS-5N	NBR	PAS/CO		0.7	10	3	1.5		
TS-55N	NBR	PAS/CO		0.9	15	5	2.5		
SUS-E5M	SBR	SBR		1.5	20	10	5		<ul style="list-style-type: none"> • Double-sided friction surface. • High speed transmission belts. • Low noise
EUX-E5BKM	U	PET		1.3	20	10	5		Cross lapper
EUX-E5HM	U	Conductive layer		1.3	20	10	5	High antistatic, suitable for high-speed operation.	
EUX-E5HR	U	Conductive layer		1.5	25	10	5		
EUX-E8HR	U	Conductive layer		1.8	30	16	8		
EUX-E8BKR	U	Conductive layer		1.8	30	16	8		
EUX-E6HL	U	Conductive layer		1.9	30	12	6	Straight stripe	
EUX-E20/45	TPU	PET		4.5	120	40	20	High antistatic, suitable for high-speed operation	
FUT-E8HR	TPU	PET		1.8	30	16	8		
FUT-E8WM	U	Conductive layer		1.6	30	16	8		
FUT-E9WM	PU	PET		1.7	30	16	8		
NOVO-T20	PET	PET		2.3	30	48	24		















PA Fabric Engineered Belts

Permanent antistatic treatment

Belts type	Material		Colour	Thickness (mm)	Min.pulley (dia.) (mm)	Shaft load at 1% elongation (N/mm)	Running in K1% (N/mm)	Characteristic and Reference
	Conveying side	Running side						
PTG-04/11M	PA	NBR		1.1	25	6	3	Single-sided friction rubber high-speed conveyor belts
PTG-04/15R	PA	NBR		1.5	25	6	3	




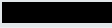











PA Fabric Power Transmission Belts

Permanent antistatic treatment

Belts type	Material		Colour	Thickness (mm)	Min.pulley (dia.) (mm)	Shaft load at 1% elongation (N/mm)	Running in K1% (N/mm)	Characteristic and Reference
	Conveying side	Running side						
GG-20T	NBR	NBR		2.1	50	15	7.5	The XNBR double-sided friction surface is suitable for the tangential belts on rotor spinning, twister and spinning frame, also can be used as high power transmission belts.
GG-25T	XNBR	XNBR		2.6	60	24	12	
GG-30T	XNBR	XNBR		3.0	80	25	12.5	
GG-34	XNBR	XNBR		3.2	90	30	15	
GG-38	XNBR	XNBR		3.7	125	36	18	
GG-18/23	XNBR	XNBR		2.2	50	15	7.5	
GG-33/34BL	SNBR	SNBR		3.2	120	30	15	
S-23	SNBR	SNBR		2.3	60	16	8	
S-23GY	SNBR	SNBR		2.3	60	16	8	
S-25	SNBR	SNBR		2.6	80	20	10	
S-26	SNBR	SNBR		2.6	80	20	10	Common transmission belts
S-30	SNBR	SNBR		3.0	100	26	13	
S-33BL	SNBR	SNBR		3.2	120	30	15	
S-40	SNBR	SNBR		4.0	120	30	15	




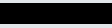








PA Engineered Belts

Permanent antistatic treatment

Belts type	Material		Colour	Thickness (mm)	Min.pulley (dia.) (mm)	Shaft load at 1% elongation (N/mm)	Running in K1% (N/mm)	Characteristic and Reference
	Conveying side	Running side						
TT-035	PA	PA		1.0	15	6	3	Double-sided smooth ,fabric polyamide foil belts
TT-035BL	PA	PA		1.2	30	10	5	
TT-04AS	High conductive PA	High conductive PA		1.2	20	8	4	
TT-08AS	High conductive PA	High conductive PA		1.6	60	18	9	Cover Tape for Rieter Unifloc A11
FF27/3 US	PA Foil	PA Foil		3.1	250	54	27	
FF-04US	PA	PA		1.2	30	8	4	<ul style="list-style-type: none"> • Smooth polyamide foil surface • Wear-resistance, corrosion resistant, easy to clean
GF-10/26	PA Foil	XNBR		2.6	60	20	10	<ul style="list-style-type: none"> • Single friction surface • Suitable for portable systems • High speed running transmission
TG-02T	NBR	PA		0.8	25	5	2.5	
TG-03T	NBR	PA		1.0	30	6	3	<ul style="list-style-type: none"> • Double-sided friction surface • Rubber thicken • Wear-resistance and cutting resistance
GG-05/30GY	XNBR	XNBR		3.0	35	10	5	
GG-05/40GY	XNBR	XNBR		4.0	35	10	5	
GG-06/55GY	XNBR	XNBR		5.5	60	12	6	Common transmission belts
S-05/15R	SNBR	SNBR		1.5	25	10	5	
GX-05/50	GX	NBR		5.0	50	10	5	<ul style="list-style-type: none"> • Rubber thicken • Feeder paper feeding belts
GX-05/80	GX	NBR		8.0	80	10	5	

Elastonyl synthal Machine Tapes

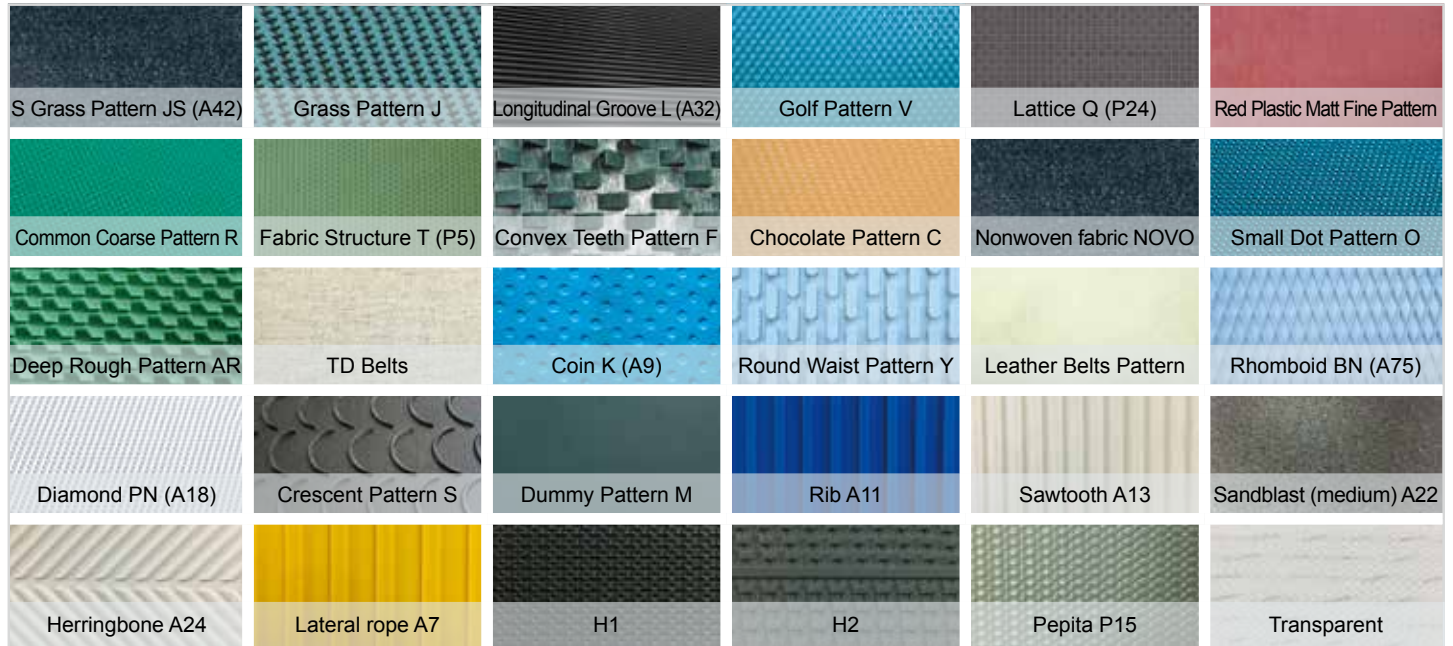
Permanent antistatic treatment

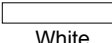
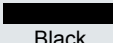
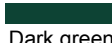

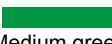





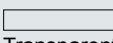

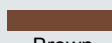
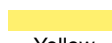
Belts type	Material		Colour	Thickness (mm)	Min.pulley (dia.) (mm)	Shaft load at 1% elongation (N/mm)	Running in K1% (N/mm)	Characteristic and Reference
	Conveying side	Running side						
ELX-E5/10HR	ELX	Conductive layer		1.1	15	10	5	High antistatic, suitable for high-speed operation <ul style="list-style-type: none"> • New elastic material • High friction • Low elongation
ELX-E8/18HR	ELX	Conductive layer		1.8	20	16	8	
ELX-E8/20HR	ELX	Conductive layer		2.1	25	16	8	
ELX-E8/20BKR	ELX	Conductive layer		2.0	25	16	8	
ELX-E12/30HR	ELX	Conductive layer		3.1	50	24	12	
ELX-E8/26HL	ELX	Conductive layer		2.6	60	16	8	
ELX-E10/20AR	ELX	PET		2.1	50	20	10	
ELX-E10/50Red	ELX	PET		5.0	60	20	10	
ELX-E15/80Red	ELX	PET		8.0	60	30	15	
ELX-E10/50L Red	ELX	PET		5.1	60	20	10	
ELX-E15/80L Red	ELX	PET		8.0	60	30	15	
ELX-E10/60L DR	ELX	PET		6.0	60	20	10	

Classification and Pattern of Conveyor Belts

the K1% in the static belts is smaller than that of running-in

According to the material, conveyor belts are divided into 5 kinds: PU conveyor belts, PVC conveyor belts, Low noise and flame retardant belts, rubber belts, Other special belts






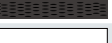











Code	Color	Code	Color	Code	Color	Code	Color	Code	Color
W	 White	BK	 Black	DG	 Dark green	AG	 Apple green	SG	 Petrol blue
H	 Medium green	GY	 Gray	Red	 Red	OR	 Orange	BL	 Dark blue
LB	 Light blue	Transparent	 Transparent	LG	 Light green	BR	 Brown	YE	 Yellow

PU Conveyor Belts



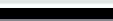






Classification

- Even at low temperature (-40 °C), it has fairly good elasticity
- Good wear-resistance
- The resistance to vegetable oil and animal oil is good
- The plasticizer in the belts will not release


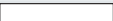




























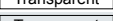
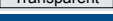











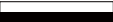



PU Conveyor Belts with Fabric on Both Sides

Belts type	Material		Colour	Food grade FDA/USDA	Antistatic	Thickness	Min. pulley (dia.)	Running in K1%	Characteristic and Reference
	Conveying side	Running side							
TTU0-E6/10BL	PET/PU	PET		F	■	1.0	25	6	Double-sided smooth fabric(food grade),retainable transport
TTU0-E6/12BL	PET/PU	PET		F	■	1.2	30	6	
TTU0-E10/15GY	PET/PU	PET		F	■	1.5	40	10	
TTU0-E12/16GY	PET/PU	PET		F	■	1.6	40	12	
TTU0-E10	PET/PU	PET		F	■	1.6	40	10	
TTU0-E6/12W	PET	PET		F	■	1.2	15	6	
TTU0-E8/18W	PET	PET		F	■	1.9	25	8	
TT-E5/12BL	PET/PU	PET		F	■	1.2	30	5	
TT/3-E12/20AG	PA	PA		-	■	3.0	80	12	
ECU0-E15/20LG	Cotton/PU	PET		-	■	2.5	50	15	Foodstuff belts Impact resistance
CCU0-E12/36PI	Cotton/PU	PET		F	■	3.6	60	12	
EM 6/2 00+00	PET/PU	PET		F/U	■	1.2	15	6	
EC/4-E25	PET/PU	PET		-	■	4.0	150	25	
EC/5-E35	PET/PU	PET		-	■	4.7	150	35	
EC-E5/15WH	PAS/CO	PET		-	■	1.5	30	5	
EC/3-E12/30W	PET	PET		-	■	3.0	50	10	

Processing Belts

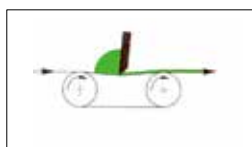
Belts type	Material		Colour	Food grade FDA/USDA	Antistatic ■/-	Thickness (mm)	Min.pulley (dia.) (mm)	Running in K1% (N/mm)	Characteristic and Reference
	Conveying side	Running side							
PU-50AM	PU	Aramid		-	■	2.5	100	50	High tension kevlar conveyor belts
PU50AM	PU	PET		-	■	2.5	100	50	
PU50AS	PU	PET		-	■	2.6	100	50	
PU50AE	PU	GT		-	■	2.7	100	50	Prepress belts
PU-150A/40	PU	Aramid		-	■	3.8	200	60	
PU-150AS/42	TPU	PET		-	■	4.2	250	60	
UT-E16BLM	PU	PET		F	■	1.7	20	16	• High strength PU conveyor belts • Forming belts
UT/1-E16WM	PU	PET		F	■	1.8	20	16	
UT/1-E4WM	PU	PET		F	■	0.8	8	4	

PU Conveyor Belts with Rubber Cover

Belts type	Material		Colour	Food grade FDA/USDA	Antistatic ■/-	Thickness (mm)	Min.pulley (dia.) (mm)	Running in K1% (N/mm)	Characteristic and Reference
	Conveying side	Running side							
UT-E5WM	PU	PET		F	■	1.3	12	5	Foodstuff belts
UT/1-E4W/PN	PU	PET		F	■	1.0	8	4	Diamond pattern, inclined conveyer belts
UT/1-E5W/PN	PU	PET		F	■	1.5	12	5	
UT/3-E18/30	PU	PET		F	■	3.5	36	18	PU conveyor belts
UT/4-E25/50	PU	PET		F	■	5.0	50	25	
UT-E6HR	PU	PET		F	■	1.5	30	6	• Green food grade • Antistatic conveyor belts • Matt surface
UT/1-E5HM/AS	PU	PET		F	■	1.2	20	5	
UT-E5HM	PU	PET		F	■	1.3	30	5	
UT-E6HM	PU	PET		F	■	1.5	30	6	
UT-E8HM	PU	PET		F	■	1.8	30	8	
UT-E6DGM	PU	PET		F	■	1.5	30	6	
UT-10DGM	PU	PET		F	■	2.0	30	8	
UT/1-E4BKM	PU	PET		-	■	0.7	8	4	
UT-E5BKM	PU	PET		-	■	1.3	12	5	
UT-E6BKM	PU	PET		-	■	1.4	20	6	
UT-E6BKQ	PU	PET		-	■	1.7	30	6	Lattice pattern, high speed belts
UT-E4/08HR	PU	PET		-	■	0.8	15	4	• Antistatic • Rough pattern belts
UT-E4/10HR	PU	PET		-	■	1.0	12	4	
UT-E4/12HR	PU	PET		-	■	1.2	10	4	
UT/3-E15DGM	PU	PET		-	■	3.0	80	15	Common PU belts
UT-E8/14BL	PU	PET		-	■	1.4	30	6	Conveying steel plate, wear-resistance, small wheel diameter.
UT-E8/20BL/PN	PU	PET		-	■	2.0	30	8	
UT-E8/30 transparent	PU	PET		-	■	3.0	60	8	
EM/1-E10SGV	PU	PET		-	■	3.5	20	10	• Cutting resistance • Oil resistance
UT/3-30DGM	PU	PET		-	■	4.0	120	18	
UT/3-30SGM/H	PU	PET		-	■	4.0	120	18	
UT-E20/40DGM/H	PU	PET		-	■	4.0	120	20	Silicone belts
UIT-E6BL	Si	PET		-	■	1.3	30	6	
UT-E5WM/15	TPU	PET		-	■	1.5	15	6	Foodstuff belts
UT-E5W/PN	PU	PET		F	■	1.5	12	5	
UT-30WH	TPU	PET		-	■	4.0	160	18	
UT/3-40WH	TPU	PET		-	■	5.2	60	18	Foodstuff belts
UT-E8BL	PU	PET		F	■	1.3	20	8	
UT-E5DGM	PU	PET		-	■	1.3	20	5	
UT-E8BLM1/LF	PU	PET		F/U	■	1.5	15	6	Foodstuff belts
UT-E8WM1/LF	PU	PET		F/U	■	1.5	8	8	Foodstuff belts
UT/1-E20WM	PU	PET		F	■	1.8	20	20	Foodstuff belts
UIT-E6W	Si	PET		F/U	■	1.4	40	6	
EM-10BKM	PVC	PET		-	■	2.0	20	10	
EUT/D-E8/18 Transparent	TPU	PET		-	■	1.8	80	10	Foodstuff belts
EUT-E16BLM1	TPU	PET		-	■	1.7	20	20	
EUT/1-E16WM	TPU	PET		-	■	1.8	20	16	
EUT-6EE	PU	PET		-	-	1.0	50	6	Foodstuff belts
EUT-E16BLM/AS	PU	PET		-	■	1.7	20	16	
U120	TPU	PET		-	■	2.0	30	20	
U120/25	PU	PET		-	■	2.5	30	20	Foodstuff belts
TU-E4T	PU	PET		-	■	0.7	15	4	

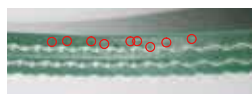
PVC Conveyor Belts

● Common coating
(Common PVC belts)

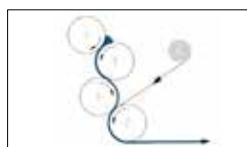


Characteristic

- Easily has holes



● Special calendring
(High-density PVC)





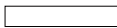



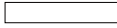
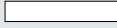







The following /H product is (high density PVC) belts




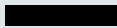

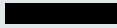













Characteristic

- The surface has excellent physical properties
- High density, no bubble
- Precise thickness
- Low use of plasticizers
























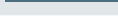












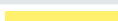







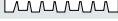





Food PVC Conveyor Belts

Belts type	Material	Colour	Food grade FDA/USDA	Antistatic	Thickness (mm)	Min.pulley (dia.) (mm)	Running in K1% (N/mm)	Characteristic and Reference
				■/-				
TT-E8/13W	PET/PVC/PET		F	■	1.3	15	8	Double-sided smooth fabric (Food grade)
TT-E8/15W	PET/PVC/PET		F	■	1.6	20	8	
TT-E10/18W	PET/PVC/PET		F	■	1.8	25	10	
TT-E20/18W	PET/PVC/PET		F	■	1.8	25	20	
PVC-10FDA	PVC		F	■	2.0	30	8	Common food conveyor belts
PVC-20FDA	PVC		F	■	3.0	80	12	
PVC/3-30FDA	PVC		F	■	4.0	100	15	
PVC/D-40W/R	PVC		F	■	5.0	150	18	
PVC-40W/A24	PVC		F	■	5.0	60	8	
PVK/1-50W/S	PVC		F	■	6.0	60	15	
PVK/D-50W/M	PVC		F	■	6.0	80	12	
PVC/D-50W/M	PVC		F	■	6.0	120	25	Lattice pattern
PVC-10WHQ	PVC		F	■	2.5	40	8	
PVC/D-20WH/PN	PVC		F	■	3.0	80	10	Golf pattern, horizontal stability
PVC/4-40W/PN	PVC		F	■	4.0	100	20	





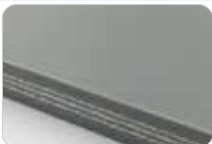



Black PVC Conveyor Belts

Belts type	Material	Colour	Food grade FDA/USDA	Antistatic	Thickness (mm)	Min.pulley (dia.) (mm)	Running in K1% (N/mm)	Characteristic and Reference
				■/-				
EX-10BKM	PVC/Low noise		-	■	2.0	30	10	• Low friction coefficient surface • No dust sticked
EX-20BKM	PVC/Low noise		-	■	3.0	60	10	
PVC/3-E15BKM	PVC		-	■	3.2	80	15	Common conveyor belts,black
EM-20BKM	PVC		-	■	3.0	60	10	
PVC/D-20BKV	PVC		-	■	3.0	80	10	
PVC/D-20BK/M	PVC		-	■	3.0	60	8	
PVK/1-30BK/M	PVC		-	■	4.0	80	10	Golf pattern,black
EX-E10BKV	PVC/Low noise		-	■	2.5	30	10	
EX-20BKL	PVC/Low noise		-	■	3.0	40	8	Longitudinal groove pattern
EX-10BKQ	PVC/Low noise		-	■	2.5	40	8	Lattice pattern
PVC/1-E18BKQ	PVC		-	■	2.7	40	18	High tension,lattice pattern belts
PVC/1-E18BKV	PVC		-	■	2.9	40	18	High tension,golf pattern belts
EX-10BK/A22	PVC		-	■	2.0	40	8	
EX-45BKJ/3D	PVC/PET/PET		-	■	5.0	40	10	
EX-30BK/H2	PVC		-	■	4.0	60	10	
PVC-10BK/H1	PVC		-	■	2.0	40	8	
EX/1-E4/12BK/PN	PVC/Low noise		-	■	1.2	15	4	Diamond pattern belts

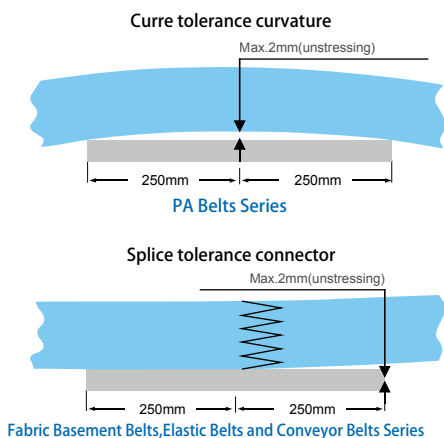
Other PVC Conveyor Belts

Belts type	Material	Colour	Food grade FDA/USDA	Antistatic	Thickness (mm)	Min.pulley (dia.) (mm)	Running in K1% (N/mm)	Characteristic and Reference
				■/-				
PVC/1-E5AGT	PVC		-	■	0.9	15	5	Light conveyor belts, fine pattern surface
PVC/1-E5GYT	PVC		-	■	0.9	15	5	
PVC/1-E5DGT	PVC		-	■	0.85	15	5	
PVC/1-E4HM	PVC		-	■	0.8	15	4	
PVC/1-E5HM	PVC		-	■	1.0	15	5	
PVC/1-E4AG	PVC		-	■	1.0	15	5	Common conveyor belts
PVC-10AG	PVC		-	■	2.0	40	8	
PVC-20AG	PVC		-	■	3.0	60	8	
PVC-E6SGM/H	High density PVC		-	■	1.5	30	6	Grinder belts
PVC-10SGM/H	High density PVC		-	■	2.0	40	8	<ul style="list-style-type: none"> • Low friction coefficient surface • No dust sticked
PVC-E10SGM/H	High density PVC		-	■	2.0	40	10	
PVC-E12SGM/H	High density PVC		-	■	3.0	60	12	
PVC/3-E15SGM/H	High density PVC		-	■	3.0	80	15	
PVC/3-30SGM/H	High density PVC		-	■	4.0	100	15	
PVC/3-E25SGM/H	High density PVC		-	■	5.7	200	25	
PVC/3-40SGM/H	High density PVC		-	■	5.0	120	18	
PVC/4-50SGM/H	High density PVC		-	■	6.0	200	18	
PVC/4-60SGM/H	High density PVC		-	■	7.0	250	18	<ul style="list-style-type: none"> • Golf pattern • Inclined conveying
PVC-10AG/PN	PVC		-	■	2.3	40	8	
PVC-10DGV	PVC		-	■	2.3	40	10	Golf pattern, strong horizontal stability
PVC/D-20DGMV	PVC		-	■	3.2	80	10	
PVC/3-E18SG	PVC		-	■	4.7	100	18	Common conveyor belts, ultra glossy treatment surface
PVC/D-40SGM	PVC		-	■	5.0	40	15	Double-sided PVC belts
PVC/D-40DGM/PN	PVC		-	■	5.1	40	6	
PVC/4-50SG/PN	PVC		-	■	6.0	200	18	Marble belts
PVC/4-80DG/PN	PVC		-	■	9.0	300	40	
EX-20SGL	PVC/Low noise		-	■	3.1	40	8	Longitudinal groove pattern
PVC-45DGJ	PVC		-	■	5.0	60	8	Rough top surface(grass pattern)
EX-45DGJS	PVC/Low noise		-	■	5.5	60	8	
PVC-80DGF	PVC		-	■	9.0	90	18	
EX-E12GYM	PVC/Low noise		-	■	2.5	50	12	High intensity, low noise
PVC/1-E5/12BR/P15	PVC		-	■	1.2	15	5	
EX-30GY/H2	PVC/Low noise		-	■	4.0	60	8	
PVC/1-40BL/A11	PVC		-	■	5.0	30	5	
PVC/D-40YE/PN/A7	PVC		-	■	5.0	120	15	
PVC-40AG/A13	PVC		-	■	5.0	50	8	
PVC-40BL/A13	PVC		-	■	5.0	50	10	
PVC/D-40BL/PN/A7	PVC		-	■	5.5	120	15	
PVC/D-50AG/A11	PVC		-	■	6.0	100	8	
PVC-80GY/Y	PVC		-	■	8.5	60	15	
PVC-10WM	PVC		-	■	2.2	40	8	
PVC-10WH/PN	PVC		-	■	2.0	40	8	
PVC-E5M BL	PVC		-	■	1.0	15	5	
PVC-10SGM	PVC		-	■	2.0	40	10	
PVC-20SGM	PVC		-	■	3.0	60	12	
PVC/3-30SGM	PVC		-	■	4.0	80	15	
PVC-10AGM	PVC		-	■	2.0	40	8	
TN-E8/36W	PVC		-	■	3.6	60	8	
TN-E8/40	PVC		-	■	4.3	70	8	
5TE30	PVC/PET/PET		-	■	4.2	150	16	

Special rubber belts and other belts

Special belts	Belt type	Thickness (mm)	Layers of sheets	Min. pulley (mm)	Continuous working temperature (°C)	Pictures
SIT Red silicone Surface of the silicone can be bear 260,no sticky.Surface of the belts is not easily polluted and corroded.	KIT-E16/50Red	5.0	1	120	-40/+176	
Lacquering belts Transparent surface. Good elastic,heat & chemical resistance strength & durability.	ESM-E10/30	3.0	2	80	-30/+70	
	HY-E12/20	2.0	2	60	-30/+120	
Rubber grip conveyor belts Wear-resistance.	EVT-E12/60J	6.0	3	50	-20/+80	
	TG-06/70J	7.0	Base	90	-20/+100	
	TG/3-E20/70BKJ	7.0	3	65	-40/+121	
	TG/3-E10/75J	7.5	3	65	-40/+121	
Wool shaker belts Oil resistance, cutting resistance, acid alkali resistance, impact resistance.	3TE	4.5	3	45	-20/+80	
	EW/3-E12/50	5.0	3	50	-20/+100	
Gypsum forming belts Wear-resistance & super smooth	EVT-E80/140GRY	14	3	125	-23/+107	
PTFE coating belts Special anti-stick belts	PTFE-E8W/15	1.5	2	12	-30/+120	
	PTFE-E8W/20	2.0	2	20	-20/+100	
PA stamping conveyor belts	FF/3-30	3.0	3	200	-30/+120	
Super-feed timing belts Stable & consistent friction/grip Thermoplastic Rubber Finger joint,Energy saving Free of halogen & nitrogen	T10-ELX45A	1-6	ELX	20	-20/+80	
	AT10-NFT-ELX65A/30L	2-6	ELX	25	-20/+80	

Tolerance



Belts series	Length tolerance		Width tolerance	
	Length	Tolerance	Width	Tolerance
Elastic belts & PET Fabric belts	300-5000	±0.30%	10-120	+0.2/-0.3
	5000-15000	±0.20%	120-500	±1.5
	>15000	±0.15%	500-1000	±5.0
PA belts	300-5000	±0.50%	10-50	-1.0
	5000-15000	±0.30%	50-120	±2.0
	>15000	±0.20%	120-500	±3.0
			500-1000	±10.0
Conveyor Belts	700-1500	±0.80%	10-200	±2.0
	1500-2500	±0.50%	200-600	±4.0
	2500-5000	±0.40%	600-1400	±6.0
	5000-10000	±0.30%	1400-2700	±10.0
	>10000	±0.20%	2700-4300	±14.0
			4300-6000	±18.0

Round belt and Round wire with core

Belt type	R-3	R-4	R-5	R-6	R-7	R-8	R-10	R-12	R-12(with core)
Material	PUR	PUR	PUR	PUR	PUR	PUR	PUR	PUR	PUR
Colour	Green	Green	Green	Green	Green	Green	Green	Green	Green
Hardness(shore)	85 A	85 A	85 A	85 A	85 A	85 A	85 A	85 A	92 A
Mass per meter of length of round belt (weight of round belt)	8g/m	15g/m	23g/m	34g/m	46g/m	60g/m	95g/m	135g/m	131g/m
Pulley diameter, minimum dmin	30mm	40mm	50mm	60mm	70mm	80mm	100mm	120mm	120mm
Tensile strength	280N	500N	800N	1100N	1500N	2000N	3100N	4500N	4500N
Operating temperature, admissible, continuous	-20/80 °C	-20/80 °C	-20/80 °C	-20/80 °C	-20/80 °C	-20/80 °C	-20/80 °C	-20/80 °C	-20/80 °C
Coefficient of friction μ on steel (roughness max. CLA = max.1.6 μ m)	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Pictures





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