

Products Show

Dipped Polyester Tyre Cord Fabric



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YUSHENG ENTERPRISE LIMITED

COMPANY PROFILE

YuSheng Enterprise Limited established in 2001, committed to rubber industry raw materials production and sales for more than 20 years.

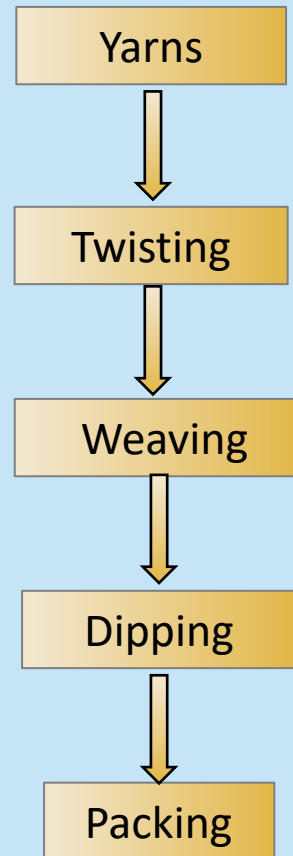
After years of development, Yusheng has become a professional supplier of raw materials of rubber products, selling and serving tire and rubber products manufacturers in Europe, South America, Southeast Asia, India, Pakistan, the Middle East and other regions.

Yusheng is having more than 160+ stable and long-term manufacturing bases, which can provide one-stop raw material services for manufacturers in rubber industry. We sincerely invite rubber professionals from all over the world to join our global supply chain service system and become our partner to achieve win-win development.



Polyester Tyre Cord Fabric

Production Process



Polyester Tyre Cord Fabric

Characteristics

- High breaking strength
- High anti-fatigue strength
- Excellent impact resistance
- Good bearing performance
- Good adhesive strength with rubber

Applications

- Rubber tire
- Conveyor belts
- Rubber hoses
- Flexible oil tanks for military purpose



Polyester Tyre Cord Fabric

Specification (840D/1 1000D/1 1000D/2 1000D/3 2000D/2 2000D/3 4000D/3 etc.)

Item	840D/1	1000D/1	1000D/2	1000D/3	2000D/2	2000D/3	4000D/3
Breaking strength per end \geq	60N	70N	130N	200N	250N	380N	850N
Breaking elongation	18 \pm 2%	18 \pm 2%	19 \pm 2%	19 \pm 2%	19 \pm 2%	20 \pm 2%	20 \pm 2%
Elongation at 22.6N	\geq 5.0	\geq 4.0					
Elongation at 44.1N			4.0 \pm 2.0				
Elongation at 66.6N				6.0 \pm 2.0			
Elongation at 88.1N					4.0 \pm 2.0		
Elongation at 100N						4.0 \pm 2.0	
Elongation at 200N							4.5 \pm 2.0
Adhesive strength N/cm \geq	40	50	98	108	120	140	140
Hot air shrinkages 150 $^{\circ}$ C 30 minutes \leq	1.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
Breaking strength Unevenness rate \leq	5	5	5	5	5	5	5
Elongation Unevenness rate \leq	10	10	6	6	6	6	6
Thickness mm	0.3 \pm 0.05	0.41 \pm 0.05	0.56 \pm 0.05	0.66 \pm 0.05	0.8 \pm 0.05	0.9 \pm 0.05	1.4 \pm 0.05

Note: Special spec. can be customized by the requirement/sample from customers.

Polyester Tyre Cord Fabric

Dipped Polyester Tyre Cord Fabric Specifications

NO.	ITEMS	UNITE	1000D/2	1300D/2	1000D/3	1500D/2	2000D/2	1300D/3	1500D/3	
			(1100dtex/2)	(1440dtex/2)	(1100dtex/3)	(1670dtex/2)	(2200dtex/2)	(1440dtex/3)	(1670dtex/3)	
1	Ave Breaking Strength (min)	N/end	140	180	205	205	280	260	305	
2	Elongation @ certain load	%	4.5±1.0 (44.1 N)	4.5±1.0 (58.0 N)	4.5±1.0 (66.6 N)	4.5±1.0 (66.6 N)	4.5±1.0 (88.2 N)	4.5±1.0 (88.2 N)	4.5±1.0 (100 N)	
3	Adhension(H-test)(min)	N/Cm	125	135	140	140	170	165	180	
4	Breaking strength difference(max)	%	3.5	3.5	3.5	3.5	3.5	3.5	3.5	
5	Breaking elongation difference(max)	%	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
6	Dip pick up	%	3.0±1	3.0±1	3.0±1	3.0±1	2.5±1	2.5±1	2.5±1	
7	Breaking elongation	%	15+/-2	15+/-2	15+/-2	15+/-2	15+/-2	15+/-2	15+/-2	
8	Diameter	mm	0.56±0.03	0.61±0.03	0.66±0.03	0.66±0.03	0.75±0.03	0.74±0.03	0.81±0.03	
9	Twist	Single(Z)	T/10cm	45±1.5	40±1.5	37±1.5	37±1.5	33±1.5	33±1.5	31±1.5
		Ply twist(S)		45±1.5	40±1.5	37±1.5	37±1.5	33±1.5	33±1.5	31±1.5
10	Hot air shrinkage 177°C×2min x 0.05CN/dtex (max)	%	3	3	3	3	3.5	3.5	3.5	
11	Elongation @ Breaking of weft yarn (Min)	%	120	120	120	120	120	120	120	

Note: Special spec. can be customized by the requirement/sample from customers.

Polyester Tyre Cord Fabric

HMLS Polyester Tyre Cord Fabric Specifications

NO.	ITEMS	UNITE	1000D/2	1300D/2	1000D/3	1500D/2	2000D/2	1300D/3	1500D/3	
			(1100dtex/2)	(1440dtex/2)	(1100dtex/3)	(1670dtex/2)	(2200dtex/2)	(1440dtex/3)	(1670dtex/3)	
1	Ave Breaking Strength (min)	N/end	140	180	205	205	280	260	305	
2	Elongation @ certain load	%	4.5±1.0 (44.1 N)	4.5±1.0 (58.0 N)	4.5±1.0 (66.6 N)	4.5±1.0 (66.6 N)	4.5±1.0 (88.2 N)	4.5±1.0 (88.2 N)	4.5±1.0 (100 N)	
3	Adhension(H-test)(min)	N/Cm	125	135	140	140	170	165	180	
4	Breaking strength difference(max)	%	4	4	4	4	4	4	4	
5	Breaking elongation difference(max)	%	5.5	5.5	5.5	5.5	5.5	5.5	5.5	
6	Dip pick up	%	3.0±1	3.0±1	3.0±1	3.0±1	2.5±1	2.5±1	2.5±1	
7	Breaking elongation (Min.)	%	13	13	13	13	13	13	13	
8	Diameter	mm	0.56±0.03	0.61±0.03	0.66±0.03	0.66±0.03	0.75±0.03	0.74±0.03	0.81±0.03	
9	Twist	Single(Z)	T/10cm	45±1.5	40±1.5	37±1.5	37±1.5	33±1.5	33±1.5	30±1.5
		Ply twist(S)		45±1.5	40±1.5	37±1.5	37±1.5	33±1.5	33±1.5	30±1.5
10	Hot air shrinkage 177°C x 2min x 0.05CN/dtex (max)	%	2	2	2	2	2.5	2.5	2.5	
11	Elongation @ Breaking of weft yarn (Min)	%	120	120	120	120	120	120	120	

Note: Special spec. can be customized by the requirement/sample from customers.

Polyester Tyre Cord Fabric

Packing:

- Winding on rolls
- Packing with standard materials and methods





Trustworthy Partner of Rubber Raw Materials

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