



SPECIFICATION

NYLON TYRE CORD FABRICS (NTCF)

SPECIFICATION		2100dtex/2 (1890D/2) 1400dtex/3 (1260D/3)			1870dtex/2 (1680D/2)			1400dtex/2 (1260D/2)			930dtex/2 (840D/2)			
ITEM	GRADE	Best	First	Qualified	Best	First	Qualified	Best	First	Qualified	Best	First	Qualified	
	quality	quality	product	quality	quality	product	quality	quality	product	quality	quality	product	product	
Tensile Strength	N/End	≥313.6	≥303.8	≥294.0	≥279.3	≥269.5	≥259.7	≥215.6	≥205.8	≥200.9	≥137.2	≥132.3	≥127.4	
Elongation at 100N	%	9.5±0.5	9.5±0.8	9.5±1.0										
Elongation at 88.2N	%				9.5±0.5	9.5±0.8	9.5±1.0							
Elongation at 66.6N	%							9.5±0.5	9.5±0.8	9.5±1.0				
Elongation at 44.1N	%										9.5±0.5	9.5±0.8	9.5±1.0	
Adhesion by H-Test	N/CM	≥176.4	≥166.6	≥156.8	≥166.6	≥156.8	≥147.0	≥147.0	≥137.2	≥127.4	≥117.6	≥107.8	≥98.0	
Cord Gauge	MM	0.78±0.03	0.78±0.04	0.78±0.05	0.75±0.03	0.75±0.04	0.75±0.05	0.65±0.03	0.65±0.04	0.65±0.05	0.55±0.03	0.55±0.04	0.55±0.05	
TWIST	Z-Twist	T/10CM	32±1.5	32±1.5	32±1.5	33±1.5	33±1.5	33±1.5	37±1.5	37±1.5	37±1.5	46±1.5	46±1.5	46±1.5
	S-Twist	T/10CM	32±1.5	32±1.5	32±1.5	33±1.5	33±1.5	33±1.5	37±1.5	37±1.5	37±1.5	46±1.5	46±1.5	46±1.5
Variation of Tensile	%	≤ 3.8	≤ 5.0	≤ 6.3	≤ 3.8	≤ 5.0	≤ 6.3	≤ 3.8	≤ 5.0	≤ 6.3	≤ 3.8	≤ 5.0	≤ 6.3	
Resin Pick up	%	4.5±1.0	4.5±1.0	4.5±1.0	4.5±1.0	4.5±1.0	4.5±1.0	4.5±1.0	4.5±1.0	4.5±1.0	4.5±1.0	4.5±1.0	4.5±1.0	
Tensile Elongation	%	23±2	23±2	23±2	23±2	23±2	23±2	23±2	23±2	23±2	22±2	22±2	22±2	
Water Ratio	%	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	
	%	≤ 6.0	≤ 6.5	≤ 7.5	≤ 6.0	≤ 6.5	≤ 7.5	≤ 6.0	≤ 6.5	≤ 7.5	≤ 6.0	≤ 6.5	≤ 7.5	



SPECIFICATION		1870dtex/2 (1680D/1)			1400dtex/1 (1260D/1)			1170dtex/1 (1050D/1)			930dtex/1 (840D/1)		
ITEM	GRADE	Best	First	Qualified	Best	First	Qualified	Best	First	Qualified	Best	First	Qualified
	quality	quality	product	quality	quality	product	quality	quality	product	quality	quality	product	product
Tensile Strength	N/End	≥132	≥127	≥123	≥103	≥98	≥93	≥90	≥86	≥82	≥69	≥67	≥65
Elongation at 44.1N	%	8.0±0.8	8.0±1.0	8.0±1.0									
Elongation at 33.3N	%				7.0±0.8	7.0±1.0	7.0±1.0	7.5±0.8	7.5±1.0	7.5±1.0			
Elongation at 22.5N	%										7.5±0.8	7.5±1.0	7.5±1.0
Adhesion by H-Test	N/CM	≥83	≥78	≥74	≥69	≥64	≥59	≥70	≥65	≥60	≥54	≥49	≥44
Cord Gauge	MM	0.50±0.03	0.50±0.03	0.50±0.03	0.43±0.03	0.43±0.03	0.43±0.03	0.36±0.03	0.36±0.03	0.36±0.03	0.32±0.03	0.32±0.03	0.32±0.03
TWIST	Z-Twist	T/10CM	16.0±1.0	16.0±1.0	16.0±1.0	19.0±1.0	19.0±1.0	19.0±1.0	19.0±1.0	19.0±1.0	21.0±1.5	21.0±1.5	21.0±1.5
Variation of Tensile	%	≤ 3.5	≤ 4.0	≤ 5.0	≤ 3.5	≤ 4.0	≤ 5.0	≤ 3.5	≤ 4.0	≤ 5.0	≤ 4.0	≤ 4.5	≤ 5.0
Variation of Elongation	%	≤ 5.5	≤ 6.0	≤ 7.0	≤ 5.5	≤ 6.0	≤ 7.0	≤ 6.0	≤ 6.5	≤ 7.0	≤ 6.0	≤ 6.5	≤ 7.0
Resin Pick up	%	4.2±1.0	4.2±1.2	4.2±1.2	4.2±1.0	4.2±1.2	4.2±1.2	4.2±1.0	4.2±1.0	4.2±1.0	4.2±1.0	4.2±1.2	4.2±1.2
Tensile Elongation	%	20±2	20±2	20±2	20±2	20±2	20±2	20±2	20±2	20±2	20±2	20±2	20±2
Water Ratio	%	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
Shrinkage (in Hot Air 150Cx30Min)	%	≤ 4.0	≤ 4.0	≤ 4.0	≤ 4.0	≤ 4.0	≤ 4.0	≤ 4.0	≤ 4.0	≤ 4.0	≤ 4.0	≤ 4.0	≤ 4.0