



## ISO 9001:2015



- Located in Thailand
- Approved with Several Tyre Makers
- Free Trade Agreement with several countries



**High Tech Manufacturer of Superior Quality Dipped Nylon Tyre Cord**

## TEXTILE FACILITIES

- Japanese Toray & Chinese Yichang Direct Cablers
- 2 & 3 Ply Twisted Cords



**WEAVING FACILITIES**

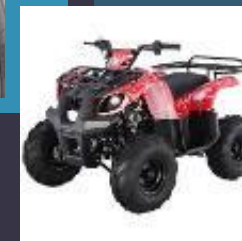
- German & Belgium make Air Jet Looms with Defect Sensing System producing Tyre Cord



## DIPPING FACILITIES

- C.A. Litzler USA Single Dip Line
- Equipped with all necessary utilities, auxiliary machinery
- Synchronized motors with SCADA controls





## QUALITY CONTROL

- State-of-the-Art Laboratory for quality check at every stage in process
- Continuous development of personnel to enhance working skills & efficiency
- Tailor-made World Class Quality



Nylon 6 Greige Fabric Specifications

Sr No.	Parameter	Unit	840D/2	1260D/2	1680D/2	1890D/2	Test Method: ASTM
1	Denier @ 4.5 % MR	D	1850±70	2800±95	3750±110	4250±125	D885
2	Moisture Regain	%	Max. 4.5	Max. 4.5	Max. 4.5	Max. 4.5	D885
3	Cable Twist	TPM	470±15	390±15	335±15	310±15	D885
4	Ply Twist	TPM	470±15	390±15	335±15	310±15	D885
5	Breaking Strength	Kgs	Min 14.0	Min 21.5	Min 27.5	Min 31.0	D885
6	EASL @ 4.5 Kgs	%	12.5±1.5	-	-	-	D885
7	EASL @ 6.8 Kgs	%	-	13.0±1.5	-	-	D885
8	EASL @ 9.0 Kgs	%	-	-	13.0±1.5	-	D885
9	EASL @ 11.4 Kgs	%	-	-	-	13.5±1.5	D885
10	EBR	%	30.0±5.0	30.0±5.0	30.0±5.0	30.0±5.0	D885
11	Thermal Shrinkage (Testrite) @ 160°C, 2 mins., 0.05gpd, W/Shield	%	Max. 7.0	Max. 7.0	Max. 7.0	Max. 7.0	D4974
12	Cord Gauge	mm	0.56±0.04	0.66±0.04	0.73±0.04	0.84±0.03	D885

Remarks: Shell Roll dimensions, Weft density (ppi), weft material, width, length and number of warp ends tailor made as per customer's requirements.

Nylon 6 Dipped Fabric Specifications

Sr No.	Parameter	Unit	840D/2	1260D/2	1680D/2	1890D/2	1260D/3	Test Method: ASTM
1	Cable Twist	TPM	450±15	380±15	320±15	320±15	300±20	D885
2	Moisture Regain	%	Max. 1.0	Max. 1.0	Max. 1.0	Max. 1.0	Max. 1.0	D885
3	Breaking Strength	Kgs	Min 14.0	Min 21.0	Min 27.0	Min 31.50	Min 31.50	D885
4	EASL @ 4.5 Kgs	%	9.0±1.0	-	-	-	-	D885
5	EASL @ 6.8 Kgs	%	-	9.0±1.0	-	-	-	D885
6	EASL @ 9.0 Kgs	%	-	-	9.0±1.0	-	-	D885
7	EASL @ 10.2 Kgs	%	-	-	-	9.50±1.0	-	D885
8	EASL @ 11.34 Kgs	%	-	-	-	-	10.0±1.0	D885
9	EBR	%	Min. 20.0	Min. 20.0	Min. 20.0	Min. 20.0	Min. 20.0	D885
10	Thermal Shrinkage (Testrite) @ 160°C, 2 mins., 0.05gpd, W/Shield	%	4.0-6.0	4.0-6.0	4.0-6.0	4.0-6.0	4.0-6.0	D4974
11	Cord Gauge	mm	0.55±0.33	0.63±0.03	0.72±0.03	0.82±0.03	0.80±0.03	D885
12	Dip Pick up	%	4.5-5.5	4.5-5.5	4.5-5.5	4.5-5.5	4.5-5.5	D885
13	Stiffness	g/10cords	Max. 40	Max. 50	Max. 65	Max. 75	Max. 75	D885
14	H-Adhesion @ 160°C, 20 Mins, 3mPa	Kgs./ 9.5mm	Min. 12.0	Min. 14.0	Min. 15.0	Min 16.0	Min. 16.0	D4776

Remarks: 1. AIT uses own rubber compound for testing H-adhesion 2. Shell roll dimensions, Weft density (ppi), weft material, width, length and number of warp ends tailor made as per customer's requirements.



**Nylon 6,6 Dipped Fabric Specifications**

Sr No.	Parameter	Unit	840D/2	1260D/2	1680D/2	1260D/3	1890D/2	Test Method: ASTM
1	Cable Twist	TPM	450±15	380±15	320±15	300±15	300±15	D885
2	Moisture Regain	%	Max. 1.0	Max. 1.0	Max. 1.0	Max. 1.0	Max. 1.0	D885
3	Breaking Strength	N	Min 138	Min 212	Min 270	Min 314	Min 315	D885
4	EASL @ 4.5 Kgs	%	9.0±1.0	-	-	-	-	D885
5	EASL @ 6.8 Kgs	%	-	9.0±1.0	-	-	-	D885
6	EASL @ 9.0 Kgs	%	-	-	9.0±1.0	-	-	D885
8	EASL @ 11.34 Kgs	%	-	-	-	10.0±1.0	10.0±1.0	D885
9	EBR	%	Min. 19.0	Min. 19.0	Min. 19.0	Min. 19.0	Min. 19.0	D885
10	Thermal Shrinkage (Testrite) @ 160°C, 2 mins., 0.05gpd, W/Shield	%	4.5±1.0	4.5±1.0	4.5±1.0	4.5±1.0	4.5±1.0	D4974
11	Cord Gauge	mm	0.55±0.33	0.63±0.03	0.72±0.03	0.80±0.03	0.82±0.03	D885
12	Dip Pick up	%	5.0±-1.0	5.0±-1.0	5.0±-1.0	5.0±-1.0	5.0±-1.0	D885
13	Stiffness	g/10cords	Max. 40	Max. 50	Max. 65	Max. 80	Max. 80	D885
14	H-Adhesion @ 160°C, 20 Mins, 3mPa	Kgs./ 9.5mm	Min. 118	Min. 137	Min. 147	Min. 157	Min 157	D4776

Remarks: 1. H-adhesion specified above is based on AIT's own rubber compound 2. AIT shall meet following customer specific requirements: a) Physical, thermal & adhesion properties of fabric b) Weft material – such as cotton, polyester-cotton, Nylon-cotton extensible type c) Weft density- picks per inch of body and header d) Warp density – Number of ends e) Width and length of the fabric f) Shell Roll Dimensions and materials g) Packing material and method of dipping fabric roll.

**TEAM**

Committed & Experienced Technical Team

**WELFARE AND SAFETY**

Indulged in Corporate Social Responsibilities & Welfare Activities

**ENVIRONMENTAL**

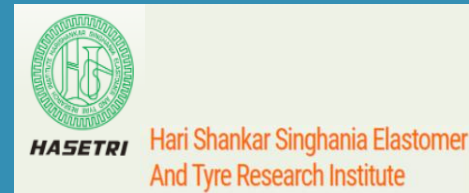
Effluent treatment plant for waste water

Air treatment/Scrubber system to control air pollution



**CERTIFICATES**

- Accredited ISO 9001 : 2015
- Environmental Good Governance from Ministry of Industrial Department
- White Factory from Ministry of Labour Department
- Silver Award in Safety Management occupational health & working environment from Ministry of Labour Department
- Certificate of Proficiency Testing Program – 2022 (HASETRI)
- CEAT- OBM Kaizen 1<sup>st</sup> Winner (Year 2022)



**SOLAR POWER PLANT**

with 800 KW Capacity

**GREEN INDUSTRY**

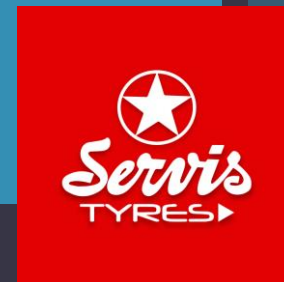
**LEVEL 4**

In co-ordination with Thailand Ministry of Industry, Following Paris Agreement UNFCCC-COP 21 & UNIDO for Continuous Improvement & Sustainable Development

**GREEN ENVIRONMENT**

Indulged in Tree Plantation with our associates/stakeholders





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We Structure Strength

Contact Us

Approved with several local and overseas tyre makers



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