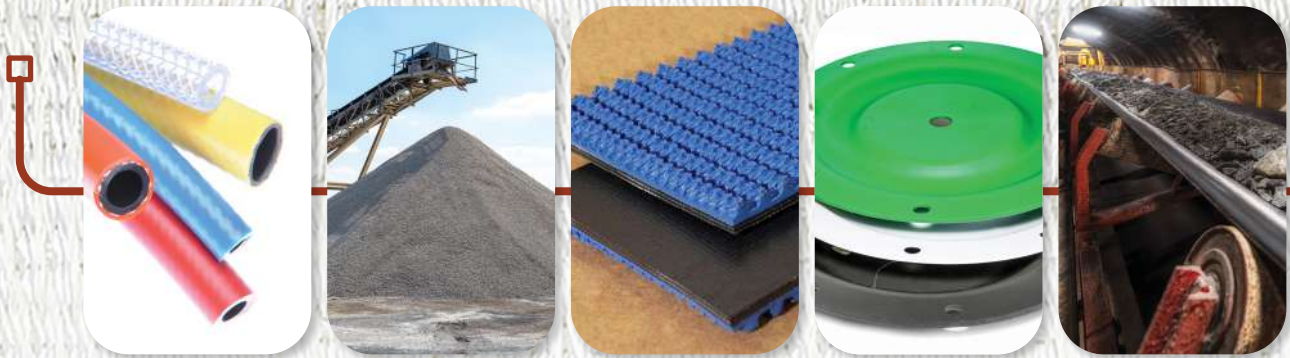




A GUIDE TO
SRF'S INDUSTRIAL FABRICS

SRF LIMITED



9,000+

Global Workforce



₹ 14,358 CRORE
(US\$ 1.7 BILLION)

Turnover in FY25



16

Manufacturing
Facilities



5

Operations in
Countries*



100+

Exports to
Countries

*India, Thailand, South Africa, Dubai and Hungary



INDUSTRIAL FABRICS OVERVIEW



World's
Leading
Manufacturer
with a
Capacity
of 22,000
MTPA



Manufacturing
in Viralmalai,
Tamil Nadu



Latest
German &
Japanese
Technology



Globally
Local with
Exports
to 20+
Countries



One-Stop
Solution for
Various Fabrics
Going into
Automotive,
Rubber,
Industrial Use
etc.



Standard Fabrics



Class Range	Materials	Tensile Strength (KN/m) / (N/mm)		Weight (GSM)	Thickness (mm)	Widths (cm)	Lengths (Mtrs.)	Maximum Roll Weight (MT)
		Warp	Weft					
EE	Warp-HT PET Weft-HT PET	100 – 800	35 – 100	300 – 2500	0.3 – 3.0	80 – 240	150-1500	2
NN	Warp-Nylon 6 Weft-Nylon 6	100 – 800	35 – 100	260 – 1800	0.4 – 2.0			
PP	Warp-Nylon 66 Weft-Nylon 66	100 – 800	35 – 100	260 – 1450	0.5 – 2.0			
EP	Warp-HT PET Weft-Nylon 66	100 – 1000	35 – 120	300 – 2500	0.4 – 3.0			
EN	Warp-HT PET Weft-Nylon 6	100 – 800	35 – 100	300 – 2500	0.5 – 3.0			
EEH	Warp-HT PET Weft-Hebr PET	100 – 920	35 – 140	350 – 2500	0.4 – 2.2			

HT PET= High Tenacity Polyester

Hebr= High Elongation

Possible weaves - Plain, Oxford, CFW Broken Twill

Treatments - RFL, Black, Brown, Special RFL, NBR etc.

Selvedge type - Fringe/Tuck-in/Heat sealed



Process Flow Chart of Textile Manufacturing



Straight Warp Fabrics

Specifications								
Style Class	Warp Material	Weft Material	Warp Tensile	Weft Tensile	Thickness	GSM	Fabric width range	Fabric length range
UOM ->	--	--	kN/m	kN/m	mm	g/m2	cm	m
315-1250	HT PET Nylon 66	Nylon 66	350 – 1400	10%-40%	1.4 – 7.0	1800 –3000	80 - 240	100 - 500
Tolerance			Min.	Min.		± 3%	-0/+2 cm	± 1%

Rip Check Breaker Fabrics

Specifications								
Style Class	Warp Material	Weft Material	Warp Tensile	Weft Tensile	Thickness	GSM	Fabric width range	Fabric length range
UOM ->	--	--	kN/m	kN/m	mm	g/m2	cm	m
Light + Heavy Fabrics	HT PET Nylon 66	HT PET Nylon 66	Customised	100 - 400	1.5 - 3.0	250 - 1000	80 - 240	150 - 650
Tolerance			Min.	Min.	± 0.2	± 3%	-0/+2 cm	± 1%

Steel Breaker Fabrics

Specifications								
Style Class	Warp Material	Weft Material	Warp Tensile	Weft Tensile	Thickness	GSM	Fabric width range	Fabric length range
UOM ->	--	--	kN/m	kN/m	mm	g/m2	cm	m
50-400	Dipper PET Nylon 66	Steel cord (Dia-0.9-1.5 mm)	Customised	50 - 400	1.0 - 3.0	300 - 2000	80 - 250	100 - 600
Tolerance			Min.	Min.	± 0.2	± 3%	-0/+2 cm	± 1%

Fabric



Good Impact Resistance, Flexibility, and Low Elongation

Application

Overland Conveyor Belts



High Impact & Rip Protection Belts



Superior Tear and Puncture Resistance



Steel Cord Belt



High Strength & Load Capacity



Monofilament Fabrics

Specifications								
Style Class	Warp Material	Weft Material	Warp Tensile	Weft Tensile	Thickness	GSM	Fabric width range	Fabric length range
UOM ->	--	--	kN/m	kN/m	mm	g/m2	cm	m
50-200	HT PET	Mono. PET (Dia 0.3-0.8mm)	Customised	100 - 300	0.6 – 1.5	300 - 1000	80 - 240	150 - 1200
Tolerance			Min.	Min.	± 0.2	± 3%	-0/+2 cm	± 1%

Pipe Conveyor Fabrics

Specifications								
Style Class	Warp Material	Weft Material	Warp Tensile	Weft Tensile	Thickness	GSM	Fabric width range	Fabric length range
UOM ->	--	--	kN/m	kN/m	mm	g/m2	cm	m
Pipe Fabric	HT PET/ Nylon 66	HT PET/ Nylon 66	150 - 700	Min. 40+% of warp strength	0.8 – 2.5	400 - 1500	80 - 240	150 - 750
Pipe Breakers	HT PET/ Nylon 66	HT PET	Customised	100-700	0.8 – 2.5	600 - 2000	80 - 240	150 - 750
Tolerance			Min.	Min.	± 0.2	± 3%	-0/+2 cm	± 1%

Impression Fabrics

Specifications								
Style Class	Warp Material	Weft Material	Warp Tensile	Weft Tensile	Thickness	GSM	Fabric width range	Fabric length range
UOM ->	--	--	kN/m	kN/m	mm	g/m2	cm	m
Light + Heavy Fabrics	HT PET	HT PET	Customised	Customised	0.5 - 6.0	220 – 3500	80 - 240	100 - 300
Tolerance			Min.	Min.	---	± 3%	-0/+2 cm	± 1%

Fabric

Application



High Lateral Stiffness with 0 Troughability



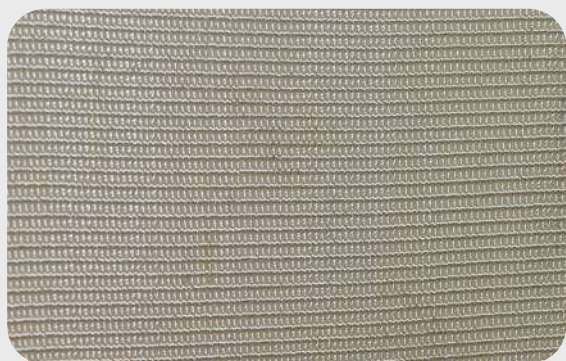
Bucket Elevator Belt



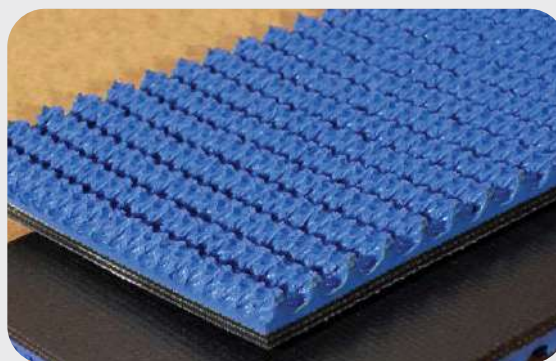
High Lateral Support & Stretchability



Pipe Conveyor/Tubular Belts



Improved Traction Maintaining Steady Flow of Materials



Rough Top Belts

Solid-Woven Fabrics

Specifications								
Style Class	Warp Material	Weft Material	Warp Tensile	Weft Tensile	Thickness	GSM	Fabric width range	Fabric length range
UOM ->	--	--	kN/m	kN/m	mm	g/m2	cm	m
Type 2-Type 12	PET, Cotton	PET, Cotton	400-2500	30-40% of warp tensile	3.0 - 18	1500 - 10000	80 - 190	50 - 400
Tolerance			---	---	± 0.1	---	-0/+2 cm	± 1%

Maximum Roll Weight - 3.5 MT

Leno Breaker Fabrics

Specifications								
Style Class	Warp Material	Weft Material	Warp Tensile	Weft Tensile	Thickness	GSM	Fabric width range	Fabric length range
UOM ->	--	--	kN/m	kN/m	mm	g/m2	cm	m
Light to Medium duty	HT PET	HT PET	20-50	20-50	0.8 - 1.5	160-400	80 - 210	150 - 1000
	Nylon 66	Nylon 66						
Tolerance			Min.	Min.	± 0.2	± 3%	-0/+2 cm	± 1%

Liner Fabrics

Specifications								
Style Class	Warp Material	Weft Material	Warp Tensile	Weft Tensile	Thickness	GSM	Fabric width range	Fabric length range
UOM ->	--	--	kN/m	kN/m	mm	g/m2	cm	m
Light to Medium duty	HT PET/ Polypropylene	HT PET/ Polypropylene	80-150	80-150	0.25 – 0.6	180-360	80 – 270	150 - 500
Release Liners	Nylon 66	Nylon 66						
Tolerance			Min.	Min.	± 0.2	± 3%	-0/+2 cm	± 1%

Tuck in selvage

Fabric

Application



Inherent Flame Resistance and Moisture Absorption



Underground Coal Mining - PVC & PVG Belts



Enhances Breathability and Stability



Air Bladder, Splicing Joints Inflatables



High Strength, Wear Resistance, and Moisture Resistance



Tyre Lining - Rubber Calendaring Process

Aramid Fabrics

Specifications								
Style Class	Warp Material	Weft Material	Warp Tensile	Weft Tensile	Thickness	GSM	Fabric width range	Fabric length range
UOM ->	--	--	kN/m	kN/m	mm	g/m2	cm	m
Greige & Primed	Meta Aramid	Meta Aramid	20-30	20-30	0.35-0.45	80-140	80-240	100-500
Tolerance			Min.	Min.	± 0.2	± 3%	-0/+2 cm	± 1%

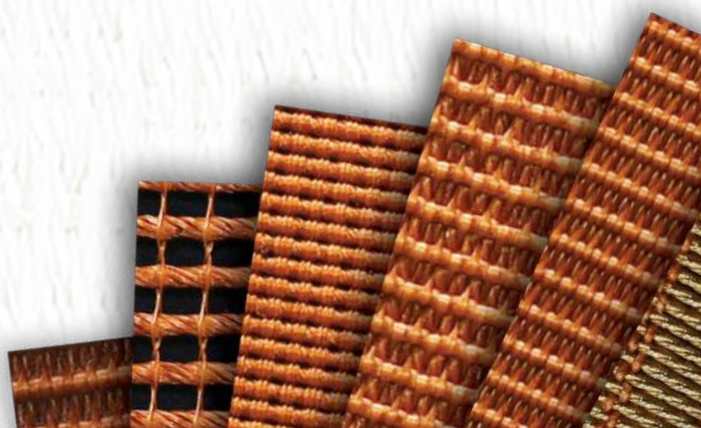
Maximum Roll Weight - 3.5 MT

Diaphragm Fabrics

Specifications								
Style class	Warp Material	Weft Material	Warp Tensile	Weft Tensile	Thickness	GSM	Fabric width range	Fabric length range
UOM ->	--	--	kN/m	kN/m	mm	g/m2	cm	m
Light + Heavy Duty	Nylon 6/ Nylon 66	Nylon 6/ Nylon 66	50-100	50-100	0.5 - 0.8	250 – 350	80 - 200	150 - 1500
Tolerance			Min.	Min.	± 0.2	± 3%	-0/+2 cm	± 1%

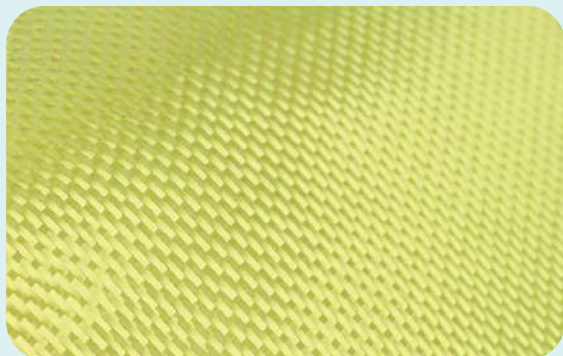
Notes:

We offer a diverse range of reinforcement fabrics, which can also be customised to meet specific requirements.



Fabric

Application

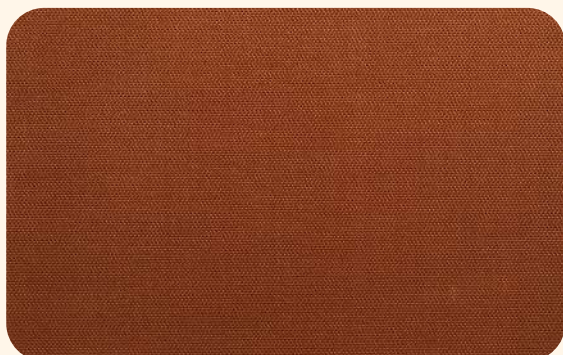


High Temperature & Pressure Resistance

Silicone Hose Reinforcement



Rubber Diaphragm Reinforcement



High Strength, Heat Resistance, and Chemical Stability



SOCIAL COMMITMENT



Social Commitment Education Programmes



1,89,976

Students



493

Schools



34

Locations in
13 States & 1 UT

Vocational Skills & Livelihood Programmes



17,000+

Women &
Youth



20+

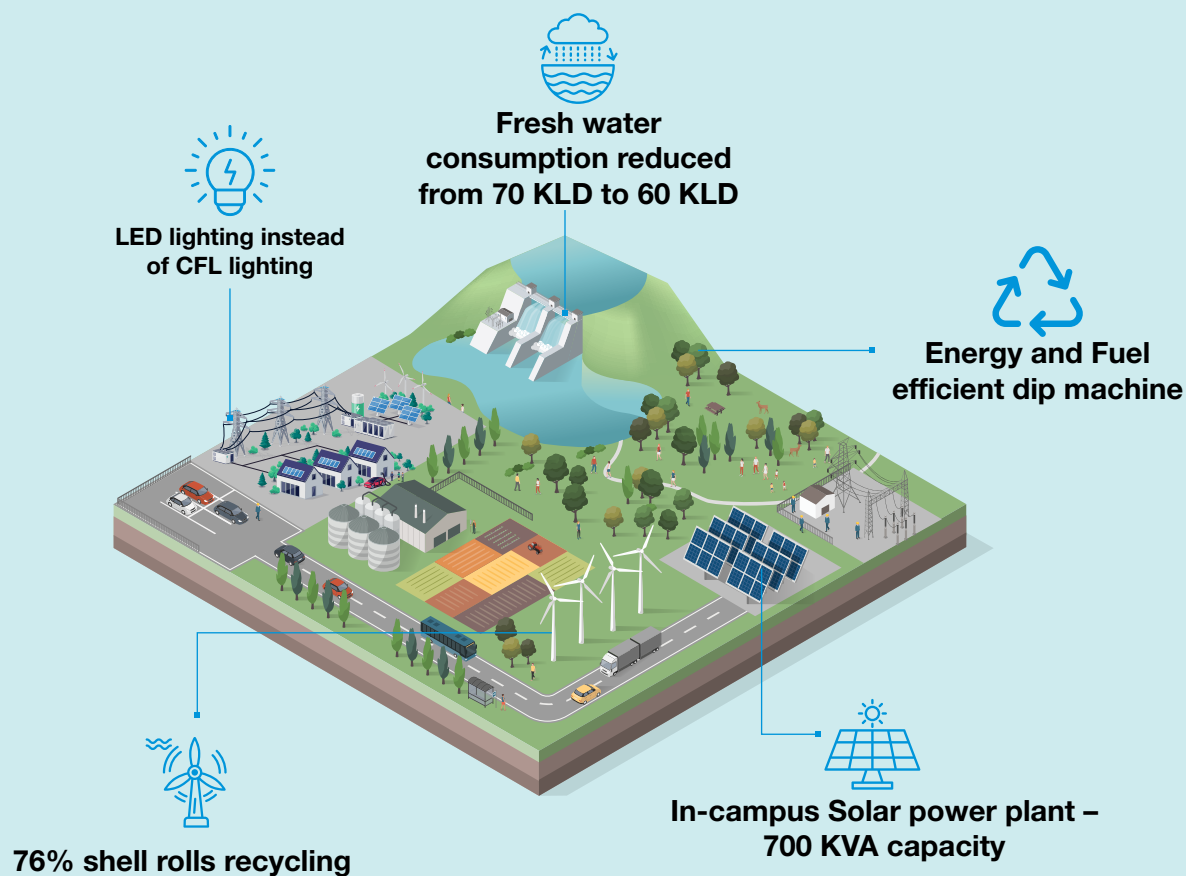
Centres



80%

Gainfully
Employed

OUR COMMITMENT TO THE ENVIRONMENT

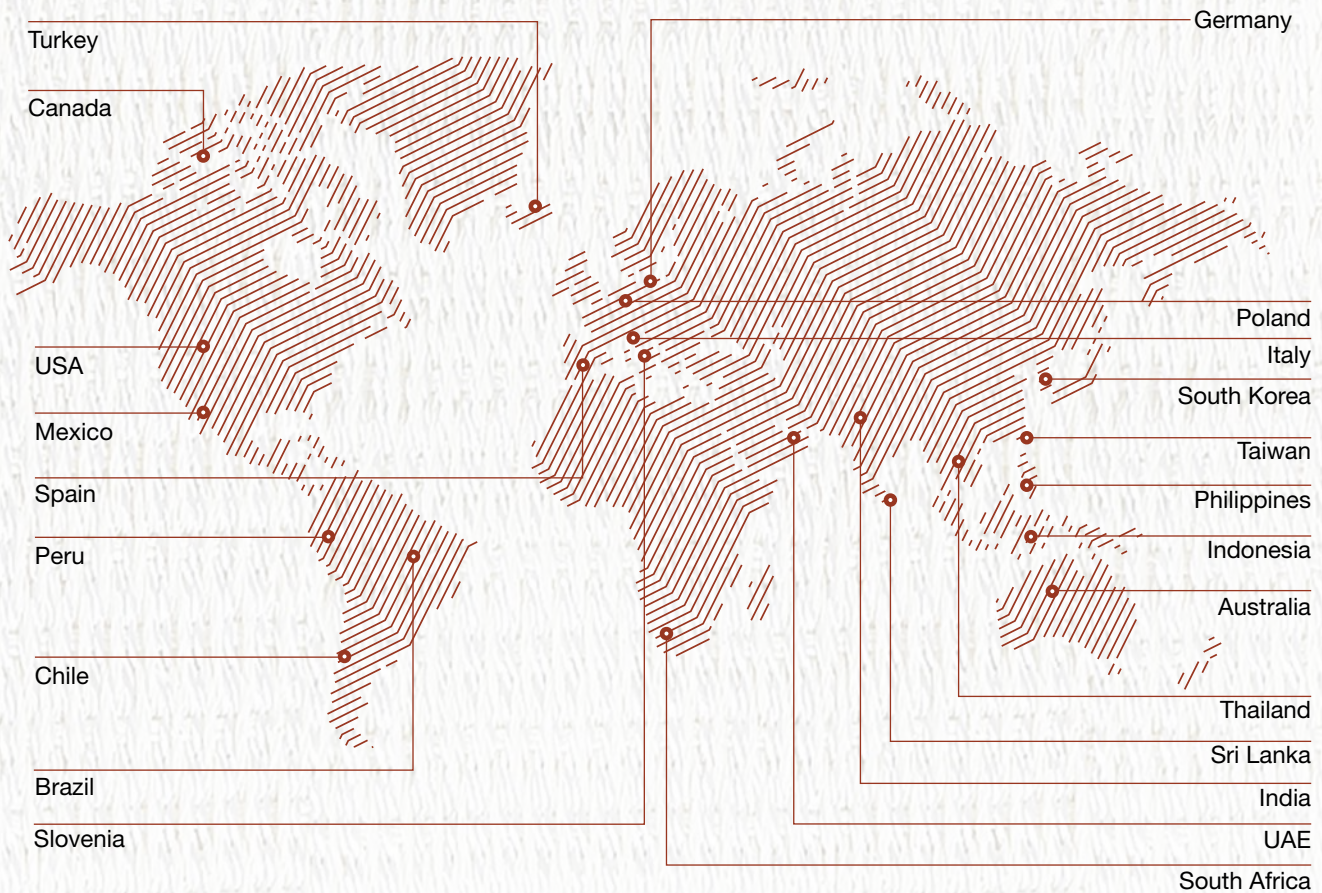


DEDICATED CENTRE FOR RESEARCH & NPD



SRF combines world-class facilities for polymerisation, spinning, twisting, and dipping with collaborative development efforts and a team of top-tier scientists and engineers to drive innovation in products and processes.

A LEADING SUPPLIER OF INDUSTRIAL FABRICS ACROSS THE WORLD*



Map not to Scale

*Customer Locations



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the brochure

