



GANESHA ECOSPHERE LTD.



PET ► FIBRE ► YARN



R-PET FIBRE

FOR NONWOVENS



Oeko-Tex Certificate



GRS (Global Recycle Standard)



TECHNICAL DATA SHEET

HIGH TENACITY FIBRE (Close to Virgin) Non Wovens

	Unit	0.9 Dn	0.9 Dn	1.2 Dn	1.2 Dn	1.4 Dn	1.4 Dn	1.4 Dn	3.0 Dn	3.0 Dn	3.0 Dn	6.0 Dn	6.0 Dn
DENIER	~	+/- 0.02	+/- 0.02	+/- 0.02	+/- 0.02	+/- 0.02	+/- 0.02	+/- 0.02	+/- 0.10	+/- 0.10	+/- 0.10	+/- 0.40	+/- 0.40
LUSTURE	~	Semi dull	Semi dull	Black	Black	Semi dull	Semi dull	Dope Dyed	Black	Semi dull	Black	Semi dull	Black
CUT LENGTH	mm	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2
TENACITY	gpd	6.60	6.40	6.10	6.10	6.30	6.00	6.00	5.80	5.60	5.35	5.10	5.10
ELONGATION	%	17	20	20	20	20	20	20	30	30	35	35	35
CRIMPS	per inch	9 ~ 11	9 ~ 11	9 ~ 11	9 ~ 11	9 ~ 11	9 ~ 11	9 ~ 11	8 ~ 10	7 ~ 8	6 ~ 8	6 ~ 8	6 ~ 8
FINISH	%	0.20	0.19	0.22	0.22	0.19	0.22	0.22	0.19	0.22	0.19	0.22	0.22

Note: 1. Low Shrinkage fibre with a shrinkage of less than 3% (180 degree - 30 minutes) also available.

2. High Elongation fibre available as per specific customer requirement.

3. Hydrophilic and Hydrophobic finish fibre also available.

Test Methods

Properties	Unit	Test Method
Fibre fineness	Denier	ASTM D 1577
Tenacity	GPD	ASTM D 3822
Elongation	%	ASTM D 3822
Crimps	Nos/cm	COMPANY STANDARD
DHS at 180°C	%	ASTM D 5104
-30 minutes	%	COMPANY STANDARD
Finish	%	COMPANY STANDARD

Disclaimer : The mentioned information and data is true to the best of our knowledge. The user of any information or data is advised to obtain the latest details from any of the offices of the company as the data is subject to change based on the research & development work undertaken by the company.

TECHNICAL DATA SHEET

MEDIUM TENACITY FIBRE (Non Wovens)

	Unit	1.5 Dn	1.5 Dn	3.0 Dn	3.0 Dn
DENIER	~	+/- 0.05	+/- 0.05	+/- 0.10	+/- 0.10
LUSTURE	~	Semi dull	Black & Dope Dyed	Semi dull	Black & Dope Dyed
CUT LENGTH	mm	+/- 2	+/- 2	+/- 2	+/- 2
TENACITY	gpd	5.1	5.0	4.2	4.0
ELONGATION	%	28	28	35	35
CRIMPS	per inch	8 to 10	8 to 10	8 to 10	8 to 10
FINISH	%	0.20	0.23	0.20	0.23

	Unit	6.0 Dn	6.0 Dn	15.0 Dn	15.0 Dn
DENIER	~	+/- 1.0	+/- 1.0	+/- 1.5	+/- 1.5
LUSTURE	~	Semi dull	Black & Dope Dyed	Semi dull	Black & Dope Dyed
CUT LENGTH	mm	+/- 3	+/- 3	+/- 3	+/- 3
TENACITY	gpd	3.8 to 4.0	3.5 to 4.0	3.4 to 3.8	3.4 to 3.8
ELONGATION	%	40 to 55	40 to 55	40 to 55	40 to 55
CRIMPS	per inch	5 to 8	5 to 8	5 to 8	5 to 8
FINISH	%	0.20	0.25	0.20	0.25

Note: 1. Hydrophilic and Hydrophobic finish fibre also available.

HEAVY DENIER FIBRE

	Unit	40 Dn	40 Dn	70 Dn	70 Dn
DENIER	~	+/- 5.0	+/- 5.0	+/- 5.0	+/- 5.0
LUSTURE	~	Semi Dull	Black & Dope Dyed	Semi dull	Black & Dope Dyed
CUT LENGTH	mm	+/- (5 - 7)	+/- (5 - 7)	+/- (5 - 7)	+/- (5 - 7)
TENACITY	gpd	2.5 to 3.0	2.5 to 3.0	2.5 to 2.75	2.5 to 2.75
ELONGATION	%	90	90	90	90
CRIMPS	per inch	3 to 4	3 to 4	3 to 4	3 to 4
FINISH	%	0.20	0.20	0.20	0.20

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R-PET Fibre

For Automotives, Furnishing, Carpets and Fabrics

- Low Cost
- High Abrasion Resistance
- High UV Resistance
- High Stiffness
- Excellent Light Fastness
- High Moldability
- Light Weight
- Heat Resistance
- Thermal Stability

Available:

Deniers: 3, 6, 15, 40 & 70

Shades: Black, Grey Family, Beige, Mustered, Brown, Green, Red, Blue, Maroon

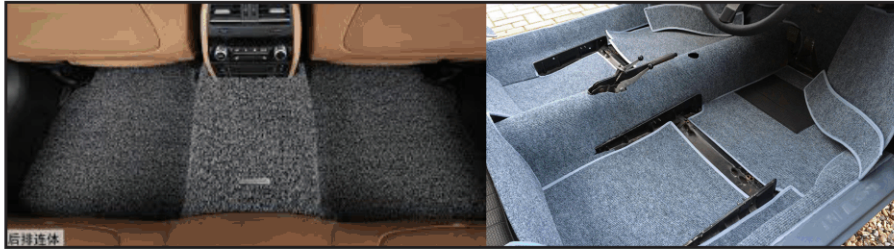
Colors can be customized as per requirement.

R-PET Fibre

For Automotives



Carpets



Seat Cover



Head Liner

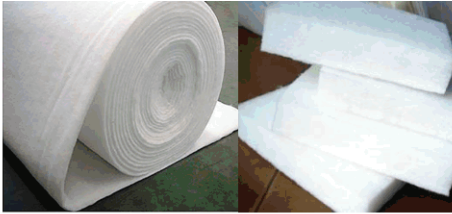


Boot Liner



R-PET Fibre (For Non-wovens)

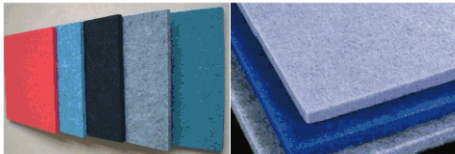
Waddings



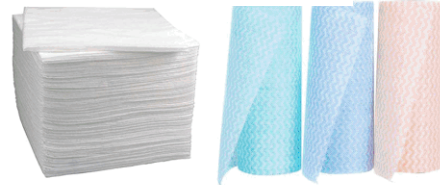
Packaging



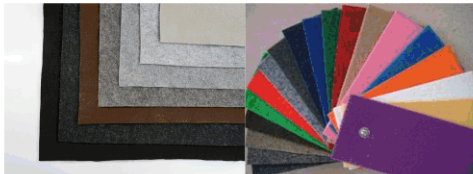
Acoustic Ceilings



Wipes



Carpets



Medical / Healthcare



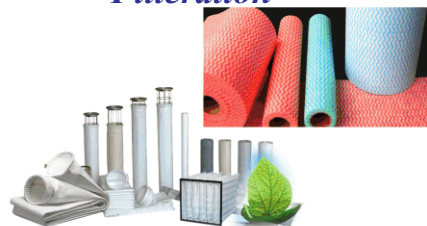
Hygiene Fabrics



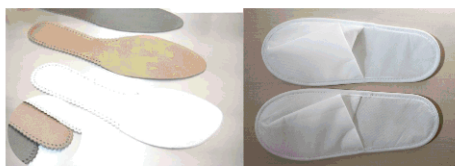
Geotextiles



Filtration



Shoe Lining/Slippers



Artificial Turf



Scrubbers



Hydrophilic R-PET Fibre

Hydrophilic fibre attracts and holds water. Those products are used for absorption of liquids and Moisture but must retain original strength and form.

- Moisture regain and water absorptive properties.
- Affinity for water and air permeability
- Hydroentangled non woven fabric gives relatively high strength, softness, and comfortability.
- Extensively used for wipes, face masks and towels.
- Provide high washing durability, stain releasing anti static and soft handling to the fibre.
- Have low intermolecular force.

Applications

- Facial and cleaning wipes
- Face masks
- Medical products
- Personal hygiene products
- Diapers

Hydrophobic R-PET Fibre

Hydrophobic fiber resists/repel water penetration with extremely low absorbency and high stability. Hydrophobic non wovens are used for products that are intended to provide a dry barrier while withstanding moisture.

Characteristics

- Water repellant
- Light weight and soft
- Have high intermolecular force.



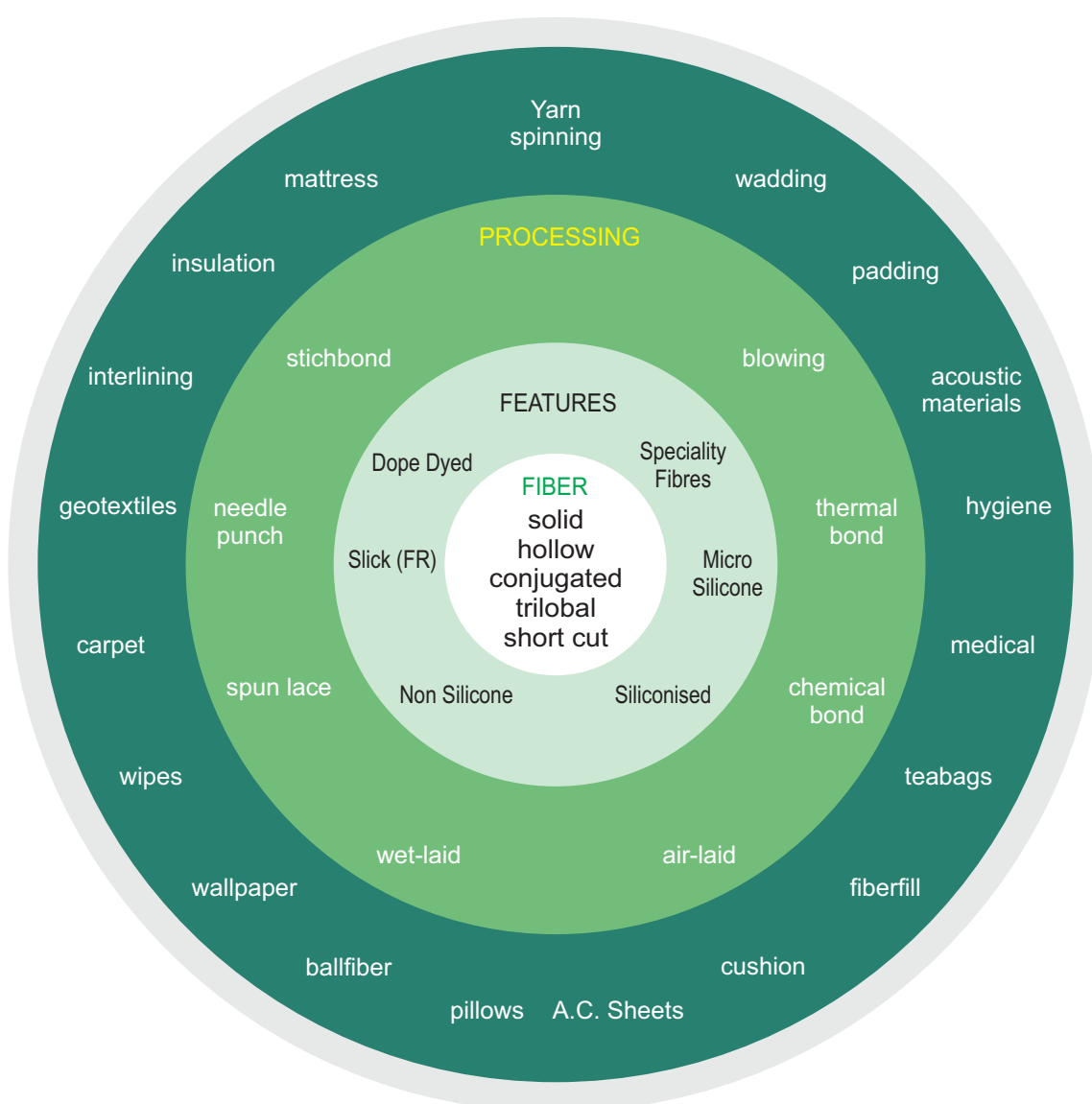
GANESHA ECOSPHERE LTD.



HIGH QUALITY REGENERATED POLYESTER STAPLE FIBRE PRODUCTION CAPACITY 1,11,600 MT PER ANNUM

PRODUCT SELECTOR

Polyester Fibre ▶ Feature ▶ Processing ▶ Applications



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