



GANESHA ECOSPHERE LTD.



PET ► FIBRE ► YARN



R-PET FIBRE

FOR YARN SPINNING



Oeko-Tex Certificate



GRS (Global Recycle Standard)



TECHNICAL DATA SHEET

HIGH TENACITY FIBRE (Close to Virgin)

	Unit	0.9 Dn	0.9 Dn	1.0 Dn	1.0 Dn	1.2 Dn	1.2 Dn	1.2 Dn	1.4 Dn	1.4 Dn	1.4 Dn
DENIER	~	+/- 0.02	+/- 0.02	+/- 0.02	+/- 0.02	+/- 0.02	+/- 0.02	+/- 0.02	+/- 0.02	+/- 0.02	+/- 0.02
LUSTURE	~	Raw White	Black	Raw White	Black	Raw White	Black	Raw White	Black	Dope Dyed	
CUT LENGTH	mm	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2	+/- 2
TENACITY	gpd	6.60	6.10	6.50	6.10	6.40	6.10	6.30	6.00	6.00	6.00
ELONGATION	%	17	17	19	19	20	20	20	20	20	20
CRIMPS	per inch	9 ~ 11	9 ~ 11	9 ~ 11	9 ~ 11	9 ~ 11	9 ~ 11	9 ~ 11	9 ~ 11	9 ~ 11	9 ~ 11
FINISH	%	0.20	0.22	0.20	0.22	0.19	0.22	0.19	0.22	0.22	0.22

1. Spinning yarns for apparel textiles, Ne 8 - 60s, open-end, ring-spun and worsted.
2. It can be spun into yarns as 100% polyester or in blends with cotton, viscose or other natural and man-made fibres.
3. Very close to virgin prime grade PSF.
4. Cut lengths - 32, 38, 44, 51, 64, 76, 102, 128 mm.
5. Low Shrinkage fibre of less than 2.5% 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		
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

	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

TRILOBAL FIBRE

	Unit	2 Dn	2.5 Dn	6.0 Dn	15 Dn
DENIER	~	+/- 0.10	+/- 0.10	+/- 0.20	+/- 0.20
LUSTURE	~	Trilobal	Trilobal	Trilobal	Trilobal
CUT LENGTH	mm	+/- 2	+/- 2	+/- 3	+/- 3
TENACITY	gpd	4.0	4.0	3.8	3.5
ELONGATION	%	35	35	40	40
CRIMPS	per inch	8 to 9	8 to 9	8 to 9	8 to 9
FINISH	%	0.23	0.23	0.23	0.23
CROSS SECTION	~	Triangular	Triangular	Triangular	Triangular

Dope Dyed Black and other colours can also be available in Trilobal Fibre.

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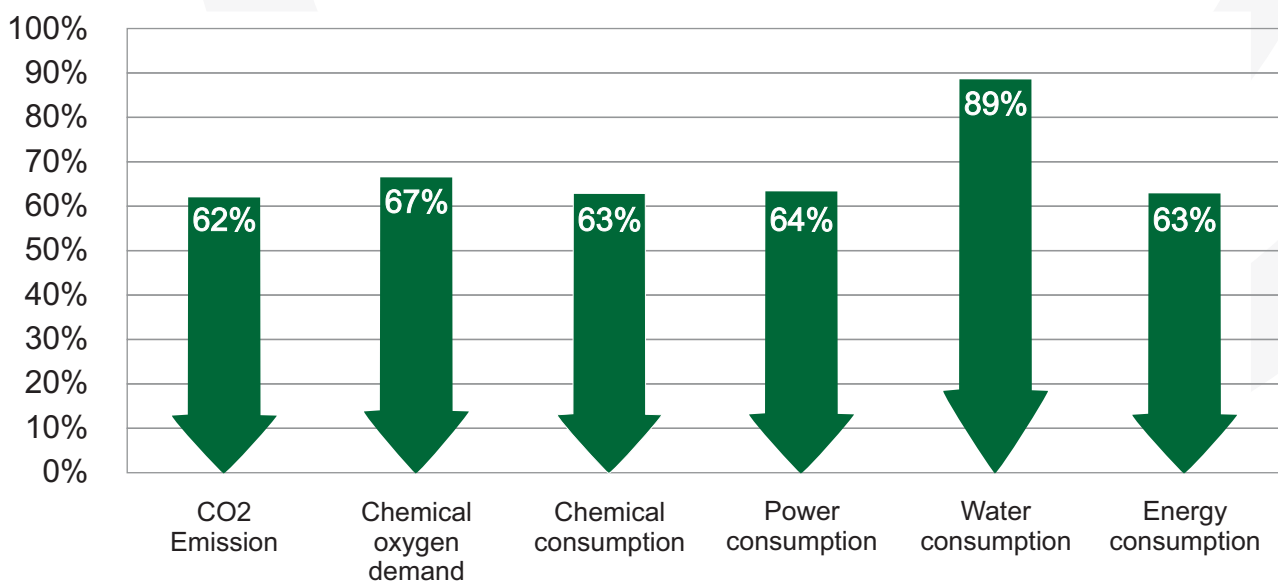
Sustainable Eco-friendly Dope Dyed High Tenacity Polyester Staple Fiber

- *Suitable for Yarn Spinning, Non Woven Carpets and Felts.*
- *An energy saving and environmental friendly product to reduce the pollution and waste water discharge in the textile industry.*
- *Excellent retention of fibre finish to ensure smooth and better productivity.*
- *Better washing / sublimation / sunlight fastness as compared to conventional solution dyeing.*
- *Uniformity in colour and reduce control risk of production process.*

Dope Dyed Water Conservation during the dyeing process:

- *No water is used in dope dyed process.*
- *Due to melt spinning method, chemicals are conserved.*
- *Low energy and water usage costs.*
- *Energy saving and carbon reduction.*

Significantly Reduce the Pollution of Production



GESL-RPSF shades for Non Wovens and Yarn Spinning

 RED CG-218	 BLOOD RED CG-275	 BRIGHT RED CG-355	 RED MAROON CG-371	 SILKY RED CG-480	 COPPER RED CG-466	 OLIVE GREEN CG-363	 OLIVE GREEN CG-486	 AQUA GREEN CG-419	 PANNA CG-408	 ORANGE CG-268
 P.O RED CG-392	 CHERRY RED CG-402	 F.B. RED CG-498	 BRIGHT MAROON CG-393	 MAROON CG-234	 NEW MAROON CG-274	 VALLEY GREEN CG-430	 COOL GREEN CG-445	 ARMY GREEN CG-446	 MEZHI CG-287	 DARK ORANGE CG-249
 BURGANDI CG-283	 GAJARI CG-384A	 RANI CG-263	 R. GAJARI CG-367	 SPECIAL RANI CG-410	 PINK CG-359	 R. MEHANDI CG-333	 LT. MEHANDI CG-334	 DR. MEHANDI CG-336	 MEZHI CG-368	 GRAY PNG CG-709
 DEEP PINK CG-405	 HOT PINK CG-404	 SOFT PINK CG-423	 BABY PINK CG-554	 LAVENDER CG-365	 ULTRA MAGENTA CG-439	 KHAKI CG-316	 ALMOND KHAKI CG-560	 MOUSE CG-390	 BRONZE KHAKI CG-457	 PALE ORANGE CG-467
 MAGENTA CG-262	 R. MAGENTA CG-528	 N. MAGENTA CG-370	 PURPLE WINE CG-566	 RED VIOLET CG-409	 RED WINE CG-458	 TUSSEER CG-325	 NEW TUSSEER CG-369	 UF BAMBOO CG-483	 BAMBOO CG-391	 SINGAL ORANGE CG-468
 PLUM CG-420	 BLACK BERRY CG-421	 PURPLE CG-429	 MOYE CG-308	 NEW JAMUNI CG-285	 SPL JAMUNI CG-396	 SKIN CG-334	 GERMAN BLUE CG-355	 NAVY BLUE CG-219	 DK. NAVY BLUE CG-272	 KHAKI PNG CG-708
 SUPER JAMUNI CG-478	 R. GREEN CG-27	 R. GREEN CG-288	 GREEN CG-275	 PISTACHO GREEN CG-250	 DHANI CG-437	 SPL DENIM BLUE CG-347	 NEW DENIM BLUE CG-361	 ROYAL BLUE CG-242	 ROYAL BLUE CG-349	 LEMON YELLOW CG-375
 SPRING GREEN CG-385	 GRASS GREEN CG-497	 LEAF GREEN CG-224	 Z. GREEN CG-331	 SPECIAL GREEN CG-341	 SPECIAL GREEN CG-386	 NIGHT BLUE CG-484	 SPECIAL BLUE CG-388	 DARK BLUE CG-387	 BLUE CG-307	 LIME CG-428
 SPRING GREEN CG-350	 FOREST GREEN CG-397	 BOTTLE GREEN CG-304	 BOTTLE GREEN CG-352	 MAYUR GREEN CG-312	 OLIVE GREEN CG-305	 AIRFORCE BLUE CG-456	 TRAFFIC BLUE CG-455	 OXFORD BLUE CG-436	 COBALT BLUE CG-463	 JET BLACK CG-392
 LIGHT FIROZI CG-351	 SKY BLUE CG-340	 BABY BLUE CG-264	 LIGHT BLUE CG-223	 SURF BLUE CG-355	 OAK BROWN CG-551	 DORE BROWN CG-347	 MUSTARD CG-261	 LT. BEIZE CG-377	 BEIZE CG-246	 HONEY MUSTARD CG-701
 C. BROWN CG-298	 DARK BROWN CG-358	 DARK BROWN CG-357	 GOLDEN BROWN CG-400	 COFFEE BROWN CG-210	 CH. BROWN CG-211	 RED ORANGE CG-295	 DARK ORANGE CG-346	 DARK ORANGE CG-284	 SINDURI CG-435	 ECRU / OFF WHITE KN-3295
 COFFEE BROWN CG-223	 CH. BROWN CG-241	 LIGHT COFFEE CG-304	 SNUFF BROWN CG-406	 SADAMI CG-402	 HERBAL BROWN CG-403	 REDDISH YELLOW CG-290	 PALE YELLOW CG-425	 MARIGOLD CG-424	 GOLD CG-216	 M.S. GREY CG-281
 C. BROWN CG-373	 NUT BROWN CG-411	 R. CADBURY CG-407	 TEAK BROWN CG-405	 RUST CG-339	 RUST CG-329	 VANILLA CG-416	 IVORY CG-413	 STONE CG-533	 LIGHT CREAM CG-411	 ROYAL BLUE CG-708
 DARK MUSTARD CG-330	 DARK MUSTARD CG-300	 CADBURY CG-412	 DARK BEIZE CG-313	 MUSTARD CG-296	 R. MUSTARD CG-265	 POWER GRAY CG-282	 STEEL GRAY CG-389	 SILVER GRAY CG-454	 MOUSE GRAY CG-464	 SMOKE GRAY CG-500
 CHARCOAL CG-303	 NEW OLIVE GREEN CG-353	 ROPE BEIZE CG-579	 BRIGHT RANI CG-472	 SOFT RANI CG-495	 DARK RANI CG-276	 BOTTLE GREEN CG-589	 COPPER CG-588	 FIROZA CG-580	 BABY PINK CG-554	 ASH GRAY CG-323
 MINT GREEN CG-398	 Z. GREEN CG-320	 GREENISH CG-376	 MEZHI CG-310	 MEZHI CG-332	 INCA GOLD CG-999	 HEENA CG-270	 HEENA CG-314	 STEEL GRAY CG-707	 STEEL GRAY CG-707	
 KHAKI CG-427	 LIGHT CHEEKU CG-327	 LUMIN CG-705	 SPL BAMBOO CG-482	 FAWN CG-390	 MID PINK CG-581	 DEEP NAVY CG-326	 DENIM BLUE CG-254	 CLASSIC MAGENTA CG-587	 HYDRION BLUE CG-705	
 NEW ROYAL BLUE CG-372	 SPL. ROYAL BLUE CG-361	 FRENCH BLUE CG-593	 SPL. NAVY CG-376	 BLUE CG-389	 LT. MEHANDI CG-711	 MARINE BLUE CG-487	 FIROZI CG-313	 FALSA CG-594	 CANALI NAVY CG-704	

Neppy Fibre (Short Cut Fibre)

Suitable for Slub/Fancy effect in Spun Yarn

- *Available in 1.5/3/6/15 denier in 6/12/18 mm cut length.*
- *Available in Semi dull, Black and Dope dyed shades.*



CERTIFICATIONS



The Hohenstein Textile Testing Institute, Germany, has granted "Oeko-Tex Standard 100, Product Class 1. Have shown that our goods meet the Human-ecological requirements of the standard presently established for baby articles.



The Control Union Certifications, Netherlands, has granted GESL Fibre & Yarns the "Global Recycle Standard" for meeting the most stringent environmental criteria.



ISO 9001-2015
(Quality Management System)



ISO 14001-2015
(Environmental Management System)



ISO 45001-2018
(Occupational Health & Safety Management System)



Sedex

SMETA

SMETA 4-PILLAR CERTIFIED FACTORY

BRAND ASSOCIATIONS



INDITEX



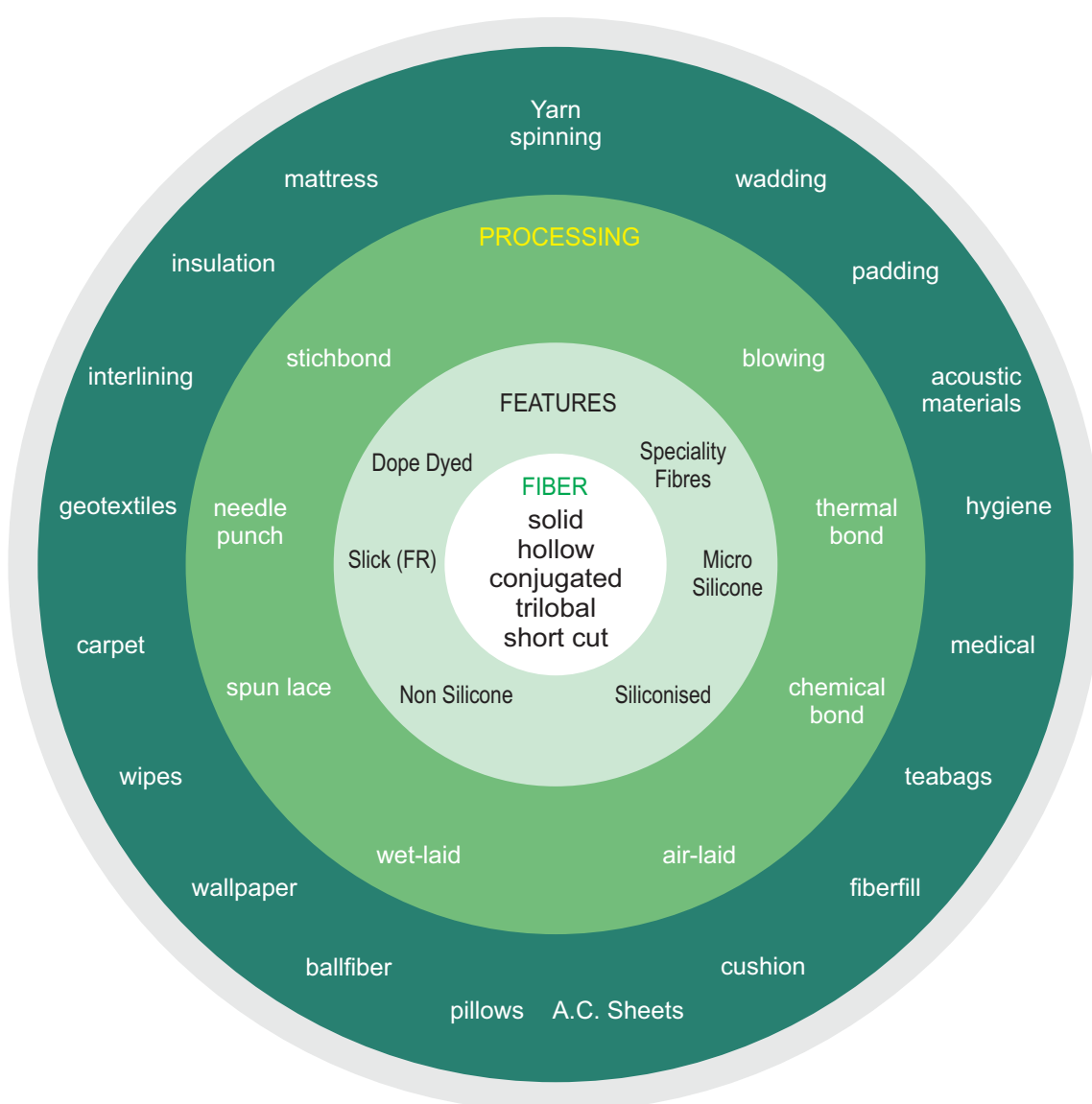
GANESHA ECOSPHERE LTD.



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

PRODUCT SELECTOR

Polyester Fibre ▶ Feature ▶ Processing ▶ Applications



GANESHA ECOSPHERE LTD.

Vatika Mindscapes, Block - D, 2 - 220, 2nd Floor, Sector - 27, Faridabad - 121003, Haryana, INDIA

Tel. : +91-129-4001630, Mob. : +91 - 9811057174, E-mail : gplpoly1@gmail.com

www.ganeshaecosphere.com