GEO SOURCE

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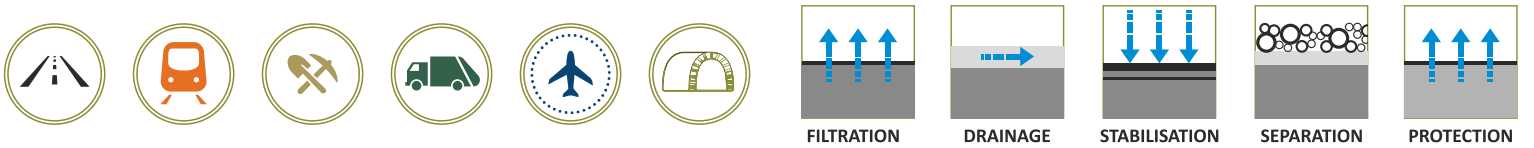


TECHNICAL DATA SHEET

Polypropylene Non-Woven Needle Punched Geo-Textile

"GEO SOURCE" GST2 is a UV Stabilized Needle-Punch Thermally Bonded Nonwoven Geo-Textile Made From 100% Virgin Polypropylene Staple Fibre, Which are Formed Into a Random Network for Dimensional Stability.

GEO SOURCE is GAI-LAP, NTPEP, CE-MARKING & ISO 9001-2015 Certified Company.



POLYPROPYLENE NON-WOVEN NEEDLE PUNCHED GEO-TEXTILE												
PROPERTIES	**TEST METHOD**	**UNIT**	**GST2 080**	**GST2 090**	**GST2 100**	**GST2 120**	**GST2 130**	**GST2 140**	**GST2 150**	**GST2 180**	**GST2 200**	**GST2 250**
PHYSICAL PROPERTIES												
GSM	ASTM D 5261	g/m2	80	90	100	120	130	140	150	180	200	250
Thickness	ASTM D 5199	mm	0.45	0.5	0.6	0.7	0.8	0.9	1	1.15	1.2	1.4
MECHANIICAL PROPERTIES												
Tensile Strength	ASTM D 4595	Kn/M	4	5	6	7	8	9	10	11	12	16
Elongation At Break	ASTM D 4595	%	50	50	50	50	50	50	50	50	50	50
Grab Tensile Strength	ASTM D 4632	N	250	290	330	400	450	500	550	630	710	850
Grab Elongation	ASTM D 4632	%	55	55	55	55	55	55	55	55	55	55
Trapezoidal Tear Strength	ASTM D 4533	N	80	100	120	150	160	180	200	240	270	320
CBR Puncture Strength	ASTM D 6241	N	800	900	1000	1200	1300	1400	1500	1800	2000	2500
HYDRAULIC PROPERTIES												
Water Flow Rate @ 50 mm Head	ASTM D 4491	l/m2/s	125	120	100	90	80	70	70	70	60	55
Apparent Opening Size	ASTM D 4751	micron	300	300	212	212	212	180	180	150	150	150
UV Resistance @ 500 H	ASTM D 4355	%	70	70	70	70	70	70	70	70	70	70

ROLL PACKAGING	
Core	2" / 3"
Packaging	Wrapped In Black Stretch Film & Labeled For Identification

We can do OEM packaging and private labeling for bulk orders

- Above values are obtaining in our laboratory and are MARV Values (67.5 % Level of Confidence)
- Tolerance: Physical & Mechanical: - 10 % & Hydraulic: +/- 30%
- There may be variation in above values due to various factors when tested at other laboratory.
- The above values may also vary if the fabric is converted in to any value added product or used in combination with other products.
- The values may also change due to transportation damages & improper storage and handling at site.
- Client shall ensure that Storage is strictly done as per ASTM standard.
- The values are not intended as warranty / guarantee and Geo Source assumes no liability in connection with this information.

ISO 9001 : 2015

Plot No – 306,307,314& 315 Dholka GIDC, Industrial Estate, Near Kheda Highway, Dholka 382225, Gujarat, India

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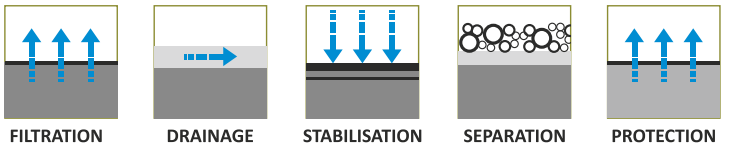
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POLYPROPYLENE NON-WOVEN NEEDLE PUNCHED GEO-TEXTILE												
PROPERTIES	**TEST METHOD**	**UNIT**	**GST2 300**	**GST2 350**	**GST2 400**	**GST2 500**	**GST2 600**	**GST2 700**	**GST2 800**	**GST2 900**	**GST2 1000**	**GST2 1200**
PHYSICAL PROPERTIES												
GSM	ASTM D 5261	g/m2	300	350	400	500	600	700	800	900	1000	1200
Thickness	ASTM D 5199	mm	1.6	1.8	2	2.4	2.8	3.2	3.6	4	5	5.5
MECHANIICAL PROPERTIES												
Tensile Strength	ASTM D 4595	Kn/M	20	24	28	34	40	46	52	58	65	75
Elongation At Break	ASTM D 4595	%	50	50	50	50	50	50	50	50	50	50
Grab Tensile Strength	ASTM D 4632	N	1050	1250	1450	1750	2100	2450	2800	3150	3500	4200
Grab Elongation	ASTM D 4632	%	55	55	55	55	55	55	55	55	55	55
Trapezoidal Tear Strength	ASTM D 4533	N	400	450	510	630	750	870	1000	1150	1300	1550
CBR Puncture Strength	ASTM D 6241	N	3000	3500	4000	5000	6000	7000	8000	9000	10000	12000
HYDRAULIC PROPERTIES												
Water Flow Rate @ 50 mm Head	ASTM D 4491	l/m2/s	45	40	35	30	25	20	20	15	15	10
Apparent Opening Size	ASTM D 4751	micron	90	90	75	75	75	75	75	75	75	75
DURABILITY PROPERTIES												
UV Resistance @ 500 H	ASTM D 4355	%	70	70	70	70	70	70	70	70	70	70

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