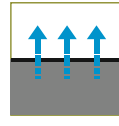


TECHNICAL DATA SHEET

Polypropylene Non-Woven Needle Punched Geo-Textile

"GEO SOURCE" GST3 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.



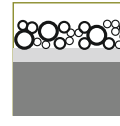
FILTRATION



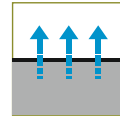
DRAINAGE



STABILISATION



SEPARATION



PROTECTION

POLYPROPYLENE NON-WOVEN NEEDLE PUNCHED GEO-TEXTILE

PROPERTIES	TEST METHOD	UNIT	GST3 30	GST3 35	GST3 40	GST3 50	GST3 60	GST3 70	GST3 80	GST3 10	GST3 12	GST3 16
MECHANICAL PROPERTIES												
Grab Tensile Strength	ASTM D 4632	N lbs	360 81	401 90	500 112	610 137	712 160	801 180	912 205	1110 250	1335 300	1690 380
Grab Elongation	ASTM D 4632	%	> 50	> 50	> 50	> 50	> 50	> 50	> 50	> 50	> 50	> 50
Trapezoidal Tear Strength	ASTM D 4533	N lbs	133 30	178 40	200 45	240 54	267 60	334 75	356 80	440 99	512 115	620 140
CBR Puncture Strength	ASTM D 6241	N lbs	800 180	1110 250	1335 300	1580 355	1825 410	2025 455	2380 535	2880 647	3782 850	4800 1080
HYDRAULIC PROPERTIES												
Water Flow Rate @ 50 mm Head	ASTM D 4491	l/m ² /min gpm/ft ²	6000 147	5700 140	5100 125	4500 110	4200 103	3600 88	3000 74	2400 59	1800 44	1500 37
Apparent Opening Size	ASTM D 4751	micron US Sieve	300 50	300 50	212 70	212 70	212 70	212 70	180 80	150 100	150 100	150 100
DURABILITY PROPERTIES												
UV Resistance @ 500 H	ASTM D 4355	%	70	70	70	70	70	70	70	70	70	70

ROLL PACKAGING

Core	4"
Packaging	Wrapped In Black Stretch Film & Labeled For Identification

We Can Do OEM Packaging & Private Labelling for Bulk Orders

- Above values are obtained in our laboratory and are MARV Values (67.5 % Level of Confidence)
- 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 into 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.
- NTPEP approved products available (4, 6, 8 & 12 Oz)
- Rolls available in shorter width like 3', 4', 6' and 7.5'
- We can do tri, four packs

