

**(MoRTH Products)  
NON-WOVEN  
NEEDLE PUNCHED  
TECHNICAL DATA SHEET**



“GEO SOURCE” is a Non-Woven Needle Punched Geo Textile made from 100% Synthetic Staple Fiber, which are formed into a random network for dimensional stability.

Non-Woven Needle Punched Geo-Textile meet the below parameters as per ASTM Standards.

<b>(MoRTH Products) SYNTHETIC NON-WOVEN NEEDLE PUNCHED</b>					
<b>PROPERTY</b>	<b>TEST METHOD</b>	<b>UNIT</b>	<b>MoRTH (Type I)</b>	<b>MoRTH (Type II)</b>	<b>MoRTH (Type III)</b>
GSM	ASTM D 5261	g/m <sup>2</sup>	350	270	150
Grab Tensile Strength	ASTM D 4632	N	900	700	500
Elongation	ASTM D 4632	%	> 50	> 50	> 50
Trapezoid Tear Strength	ASTM D 4533	N	350	250	180
CBR Puncture	ASTM D 6241	N	2000	1400	1000
Index Puncture	ASTM D 4833	N	350	250	180
Burst Strength	ASTM D 3786	N	1700	1300	950
Permittivity	ASTM D 4491	Sec <sup>-1</sup>	0.02	0.02	0.02
Apparent Opening Size (AOS)	ASTM D 4751	micron	600	600	600
UV Resistance	ASTM D 4355	%	70	70	70

<b>PACKAGING</b>			
Description	Indian Market		
Roll Dimensions (Mtr)	4.8*100 / 5.8*100		
Roll Area (M2)	480 / 580		
Roll Weight (Kgs)	168 / 203	130 / 157	72 / 87
Core	3"		
Packaging	Wrapped In Black Stretch Film & Labeled For Identification		

We can do OEM packaging and private labeling for bulk orders

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- Above values are obtain in our laboratory and are MARV Values.
- 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.