GEO SOURCE
info@geosource.in
www.geosource.in



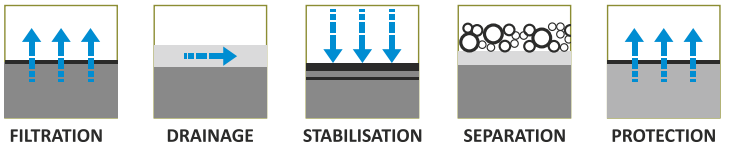
TECHNICAL DATA SHEET

GS-DRAIN: GSC47102 MoRTH TYPE

"Geo Source, Geo-Composite Drains are Created by Bonding Together Geo-Textiles & Geo-Nets in Different Combinations to Suit a Specific Application, each Layer Providing a Specific Performance or Function. The Textile Layer Provides the Filter Function, Allowing Liquids & Gases to Pass into the net Core but Preventing Soil Particles from Washing into and Clogging the Core."

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





GS-DRAIN: GSC47102 MoRTH TYPE				
PROPERTIES		**TEST METHOD**	**UNIT**	**VALUE**
Geo-Composite				
Mass Per Unit Area		EN ISO 9864	gm/m^2	710
Thickness		EN ISO 9863	mm	4.5
Tensile Strength		EN ISO 10319	kN/M	16
CBR Puncture		EN ISO 12236	N	3000
In Plane Permeability	Hydraulic Gradient i=1 @ 100 kPa	EN ISO 12958	l/m/s	0.55
	Hydraulic Gradient i=1 @ 200 kPa	EN ISO 12958	l/m/s	0.45
Geo-Textile (Filter Layer)				
Material		Polypropylene Staple Fiber		
Mass Per Unit Area		ASTM D 5261	gm/m^2	130
Thickness		ASTM D 5199	mm	0.9
Grab Strength		ASTM D 4632	N	500
Elongation		ASTM D 4632	%	45
Trap Tear Strength		ASTM D 4533	N	150
Permeability		ASTM D 4491	m/sec	$5*10^{-6}$
AOS		ASTM D 4751	Micron	220
Geo-Net (Drainage Layer)				
Material		High Density Polyethylene		
Carbon Black Content		ASTM D 4218	%	2
Melt Flow		ASTM D 1238	g/10 min	10

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

ISO 9001 : 2015

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