

Building Australia’s future



Description:

The InfraDrainGN-76DS Geonet, with its innovative tri-planar design, is crafted from high-grade polyethylene resin for optimal drainage efficiency. Enhanced with carbon black and stabilizers, it offers exceptional protection against UV rays and oxidation. This combination ensures durability and performance, making the GN-76DS an indispensable solution for advanced drainage systems in a variety of settings.

Technical Specifications			
Material Property	Test Method	Unit	GN-76DS
Geocomposite Specification			
Thickness At 20 KPa	ASTM D5199	mm	7.9
Transmissivity At 20 KPa, I=0.1	ASTM D4716	m2 /s	4.0x10 <sup>-4</sup>
Transmissivity At 200 KPa, I=0.1	ASTM D4716	m2 /s	2.6x10 <sup>-4</sup>
Ply Adhesion		kN/m	0.17
Tensile Strength (MD)	ASTM D7179	kN/m	16
Geonet Specification			
Thickness At 2 KPa	ASTM D5199	mm	7.6
Thickness At 20 KPa	ASTM D5199	mm	7.6
Density	ASTM D1505	g/cm3	0.94
Carbon Black Content	ASTM D1603	%	2
Tensile Strength (MD)	ASTM D7179	kN/m	14
Transmissivity At 20 KPa, I=0.1	ASTM D4716	m2/s	11.2 x 10 <sup>-4</sup>
Transmissivity At 200 KPa, I=0.1	ASTM D4716	m2/s	8 x 10 <sup>-3</sup>
Mass Per Unit Area		g/m2	1300
Geotextile Specification			
Fabric Weight		g/m 2	150

Notes:

MD = Machine Direction.

APPLICATIONS

It is mainly used for landfill,road subgrade drainage,railway system drainage, tunnel drainage, retaining wall drainage,etc.