

- 1. DESCRIPTION** Nonwoven geotextile manufactured from 100% virgin polypropylene high tenacity fibres, needlepunched and heat treated.
- 2. FEATURES**
- Optimised for maximum strength and performance – not mass
 - Manufactured from a unique blend of high tenacity fibres providing class leading durability
 - 100% virgin polypropylene fibres for guaranteed durability
 - UV stabilised



	Test	Unit	MEAN VALUES
3. MECHANICAL PROPERTIES			
Static puncture (CBR)	EN ISO 12236	kN	1.4
Tensile strength (MD/CMD)		kN/m	9.0 / 9.8
Tensile elongation (MD/CMD)	EN ISO 10319	%	60 / 65
Cone drop	EN ISO 13433	mm	32
Protection efficiency	EN ISO 13719	kN/m ²	-
4. FILTER PROPERTIES			
Apparent opening size	EN ISO 12956	µm	80
Water permeability v _{H50}	EN ISO 11058	l/(m ² ·s)	100
5. PHYSICAL PROPERTIES			
Thickness @ 2kPa (Nominal)	EN ISO 9863-1	mm	0.8
Standard colour			White
Polymer			100% virgin polypropylene

Notes:

- Mean values indicate the arithmetic mean derived from the samples taken for any one test as defined in the standard – usually an overall mean of five samples. Mean values are subject to tolerances based on 95% confidence limits as published on the product CE declaration of performance.
- Nominal Value (indicates an average manufacturing norm and not a controlled performance parameter).
- MD: Machine Direction (longitudinal to the roll).
- CMD: Cross Machine Direction (across the roll).
- Tensile testing is performed using extensometers.

	Test	VALUES
6. DURABILITY		
Weathering 50 MJ/m ² (1 month)	EN ISO 12224	>90% Retained Strength Predicted to be durable for service lives up to 50 years in natural soils with 4 ≤ pH ≤ 9 and soil temperatures ≤ 25° C
Oxidation resistance	EN ISO 13438	

- 7. STORAGE** The geotextiles are supplied in packaging designed to protect the product from damage during handling, storage and degradation as a result of UV exposure. The product should be kept in appropriate packaging until such time that it is required for installation. The product is clearly and indelibly marked with the product name along the edge of the roll at regular intervals no greater than 5m. The packaging is labelled clearly to identify the product supplied in accordance with EN ISO 10320: Geotextile and Geotextile related products – Identification on site. Use slings where provided. Product weights are given on roll tickets. Use equipment appropriate to weight and dimension. Store and handle in accordance with good occupational hygiene and safety practice.

	Unit	VALUES
8. DIMENSIONS		
Standard roll length	m	100
Standard roll width	m	1.13
Approximate roll weight	kg	14
Approximate roll diameter	m	0.34