

TECHNICAL DATASHEET

SNW 40 UV SUPERIOR NEEDLE PUNCHED NONWOVEN GEOTEXTILES

INTRODUCTION

SNW40UV offers superior puncture resistance when compared with most other needle-punched nonwoven products of comparable weight. Its principal function is in protection, separation and filtration.



PROPERTIES	STANDARD	PERFORMANCE	TOLERANCE
MECHANICAL PROPERTIES			
TENSILE STRENGTH - MD	EN ISO 10319	22 kN/m	-2.9 kN/m
TENSILE STRENGTH - CMD	EN ISO 10319	22 kN/m	-2.9 kN/m
ELONGATION AT BREAK - MD	EN ISO 10319	50%	+/-11,5%
ELONGATION AT BREAK -CMD	EN ISO 10319	55%	+/-12,7%
STATIC PUNCTURE RESISTANCE (CBR)	EN ISO 12236	4 kN	-0.8 kN
DYNAMIC PERFORATION RESISTANCE (CONE DROP)	EN ISO 13433	12mm	+3 MM
HYDRUALIC PROPERTIES			
WATER PERMEABILITY NORMAL TO THE PLANE (Vlh50)	EN ISO 11058	60 l/m ² s	-18 l/m ² s
WATERFLOW IN THE PLANE @20kPa	EN ISO 12958	3,0 x 10 ⁻⁶ m ² /s	-10% log g m ² s
CHARACTERISTICS OPENING SIZE (O90)	EN ISO 12956	90µm	+/-27,0µm
OIL RETENTION		L/10m ²	>6
PHYSICAL PROPERTIES			
THICKNESS UNDER 2kPa	EN ISO 9863-1	2.4 mm	+/-0,48 mm
WEIGHT	EN ISO 9864	300 g/m ²	+/-30,0 g/m ²
LENGTH X WIDTH		100 x 5.25 m	
ROLL DIAMETER (+/-10%)		54 cm	
DURABILITY			
PREDICTED MINIMAL DURABILITY IN YEARS IN NATURAL SOILS WITH 4<pH <9 AND SOIL TEMPERATURES <25°C	EN ISO 13438-A1	25	

The information set forth in this datasheet reflects the best knowledge at the time of publication. The document is subject to change pursuant to new developments and findings. The same reservation applies to the properties of the products described . No liability is undertaken for results obtained by usage of the products and information.

1. TCS Geotechnics is a trading name of Technical Civils Solutions Ltd
2. TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
3. It is the responsibility of all users to satisfy themselves that the above data is current.
4. The above figures are average values obtained from testing to current EN ISO standards
5. TCS Ltd cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
6. Installation details are available on request.

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