

NONWOVEN GEOTEXTILE WRAPPED SLOTTED SCREEN



Slotted screens can be covered with nonwoven geotextile in order to be used in particular applications such as drainages, etc. The material used to cover the screen is a white polypropylene needle punched nonwoven geotextile that has excellent permeability and allows the flowing inside of water while stopping the thin sediment outside. This type of coating offers good protection in clay or shale and prevents clogging. The nonwoven geotextile is double crossed texture sewed and is wrapped very tight around the screen in order to avoid that it rolls up during pipe laying.

OUR RANGE

Diameters: from 60 mm to 125 mm, other diameters upon request

Length: 3/6 mt

Connections: M/F threaded with socket, flush jointed.

FEATURES OF 150 g/mq* NONWOVEN GEOTEXTILE

Description: Polypropylene needle punched nonwoven geotextile, white colour, no chemical binders.

Tensile strength Tolerance EN ISO 10319	T_{max}	kN/m	MD 9,00 - 2,70	CMD 10,00 - 3,00
CBR Puncture test Tolerance EN ISO 12236	F_p	kN	1,30 - 0,26	
Dynamic perforation (cone drop test) Tollerante EN 918	D_c	mm	23 + 4,60	
Water flow capacity Tolerance EN ISO 12958	q_p	Lt/sec/mt	$1,84 \times 10^{-3}$ $\pm 0,55 \times 10^{-3}$	
Water flow rate Tolerance EN ISO 11058	q_N	Lt/mt ² /sec	70 -20	
Characteristic opening size Tolerance EN ISO 12956	O_{90}	μm	65,00 $\pm 20,00$	
Weathering resistance Tolerance EN ISO 12224	To be covered within 14 days after installation			
Hydrolysis resistance Tolerance EN ISO 12447	Durability expectation 25 years for normal soil with $4 < pH < 9$ and temperature $< 25^\circ C$			

* For reasons of space the table above shows the features of one type of nonwoven geotextile only, but other types are available.