

Hewitech Needle Punched Soakaway Geotextile Specification – HSG1000

Mechanical Properties	Test Method	Units	HSG1000
Tensile Strength – MD	EN ISO 10319	kN/m	6.0
Tensile Strength – XD	EN ISO 10319	kN/m	6.0
Elongation at break – MD	EN ISO 10319	%	40.0
Elongation at break – XD	EN ISO 10319	%	40.0
CBR Puncture Resistance	EN ISO 12236	N	1000
Dynamic Cone Drop	EN ISO 13443	mm	40.0
Protection Efficiency	EN ISO 14574	N	48.0

Hydraulic Properties	Test Method	Units	HSG1000
Characteristic Opening Size	EN ISO 12956	μm	140.0
Permeability	EN ISO 11058	m/s	120×10^{-3}
Waterflow normal to the plane	EN ISO 11058	$1/\text{m}^2.\text{s}$	120
Waterflow in the plane	EN ISO 12958	m^2/s	1×10^{-7}

Physical Properties	Test Method	Units	HSG1000
Thickness under 2 kPa	EN ISO 9863-1	mm	0.80
Weight	EN ISO 9864	g/m^2	80
Roll Size		m	4.5 x 100m

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