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## Product Specification Sheet

### **A.G.A. NeedlePunch 300** Nonwoven Polypropylene Geotextile. Protection - Separation - Filtration

<b>Mechanical Properties</b>	<b>Test method</b>	<b>Units</b>
Tensile Strength – M	EN ISO 10319	kN/m 22.0
Tensile Strength – XD	EN ISO 10319	kN/m 22.0
Elongation at break – MD	EN ISO 10319	%50.0
Elongation at break – XD	EN ISO 10319	% 55.0
CBR Puncture Resistance	EN ISO 12236	N4000
Dynamic Cone Drop	EN ISO 13433	mm 12.0
Pyramid Puncture	EN ISO 14574	N 385.0
Protection Efficiency	EN ISO 13719	% 1.61
<b>Hydraulic Properties</b>	<b>Test method</b>	<b>Units</b>
Permeability	EN ISO 11058	m/s 75x10-3
Waterflow normal to the plane	EN ISO 11058	l/m <sup>2</sup> .s 75
Waterflow in the plane 20kPa	EN ISO 12958	m <sup>2</sup> /s 8x10-6
Characteristic Opening Size	EN ISO 12956	µm 70.0
<b>Physical Properties</b>	<b>Test Method</b>	<b>Units</b>
Thickness under 2kPa	EN ISO 9863-1	mm 2.4
Weight	EN ISO 9864	g/m <sup>2</sup> 300.0
Roll width		cm 525
Roll length		m100
Roll diameter (+/-10)		cm 54

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