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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	22.0 kN/m
Tensile Strength – XD	EN ISO 10319	22.0 kN/m
Elongation at break – MD	EN ISO 10319	50.0%
Elongation at break – XD	EN ISO 10319	55.0%
CBR Puncture Resistance	EN ISO 12236	4000 N
Dynamic Cone Drop	EN ISO 13433	12.0 mm
Pyramid Puncture	EN ISO 14574	385.0 N
Protection Efficiency	EN ISO 13719	1.61%
<b>Hydraulic Properties</b>	<b>Test method</b>	<b>Units</b>
Permeability	EN ISO 11058	75x10 <sup>-3</sup> m/s
Waterflow normal to the plane	EN ISO 11058	75 l/m <sup>2</sup> s
Waterflow in the plane 20kPa	EN ISO 12958	8x10 <sup>-6</sup> m <sup>2</sup> /s
Characteristic Opening Size	EN ISO 12956	70.0 µm
<b>Physical Properties</b>	<b>Test Method</b>	<b>Units</b>
Thickness under 2kPa	EN ISO 9863-1	2.4 mm
Weight	EN ISO 9864	300.0 g/m <sup>2</sup>
Roll width		525 cm
Roll length		100 m
Roll diameter (+/-10)		54 cm

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