

NorGeoSpec 2012 Product Certificate



Certificate no.: 0108-QC-1421

Manufacturer: JUTA a.s.

Raw material: PP

Date: 01.08.14

Product: geoNETEX NGS 3

Function: Separation and Filtration

Valid until: 31.07.16

Product Type: GTX-N

Quality Product Certification Separation and Filtration

Characteristic	Standard	Unit	Declared value	Max. tolerance	Certification value
Mass per unit	EN ISO 9864	g/m ²	195	± 20	176 - 215

Mechanical tests

Tensile strength	MD	EN ISO 10319	kN/m	14.50	- 1.45	15.10
	CMD	EN ISO 10319	kN/m	19.00	- 1.90	
Elongation at max. load	MD	EN ISO 10319	%	55.0	- 11.0	50.0
	CMD	EN ISO 10319	%	70.0	- 14.0	
Static puncture test		EN ISO 12236	kN	2.700	- 0.270	2.430
Dynamic perforation resistance		EN ISO 13433	mm	16	+ 4	20
Energy index		NorGeoSpec 2012	kN/m	3.2	-	3.2

Hydraulic tests

Velocity index		EN ISO 11058	m/s	0.025	- 0.008	0.018
Characteristic opening size		EN ISO 12956	µm	63	± 19	44 - 82

Durability (Declared value)

Service life			years	☒ 25	☐ 50	☐ 100
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Quality Product Specification

Separation and Filtration	Application profile: 3
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Issued by

Christian Recker, NorGeoSpec project manager

Approved by

Arnstein Watn, Head of the Technical committee



The products are regularly audited and tested to verify that the characteristics fulfil the NorGeoSpec requirements.
Approved by the NorGeoSpec Technical committee: 01.08.14

NorGeoSpec certification body: SINTEF Building and Infrastructure · Høgskoleringen 7a · No-7465 Trondheim

SINTEF is notified as a competent body related to directive 89/106/EEC by the Norwegian Royal Ministry of Trade and Industry: Notified body ID no 1071