

NorGeoSpec 2012 Product Certificate

Quality Product Certification Separation and Filtration

This product has been found to be fit for use in accordance with NorGeoSpec 2012 System for the above given function.

Certificate no.: NGS-50076

Date: 20.04.2017

Valid until: 19.04.2019

Manufacturer: Fibertex Nonwovens A/S

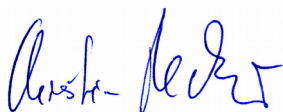
Product: F-47

Product Type: GTX-N

Raw material: PP

Function: Separation and Filtration

Issued by



Christian Recker, SINTEF 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 2012 Rev.: 01/14.12.2016 requirements.
Approved by the NorGeoSpec Technical committee: 20.04.2017

NorGeoSpec Certification body: SINTEF Building and Infrastructure · Forskningsveien 3B · 0373 Oslo

SINTEF is appointed Notified Body by the Norwegian Building Authority, related to Regulation (EU) No. 305/2011 – Construction Products.
Notified Body No. 1071.

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Quality Product Certification

Separation and Filtration

Characteristic		Standard	Unit	Declared value	Max. tolerance	Certification value
Mass per unit area		EN ISO 98644	g/m ²	255	± 26	230 - 281
Mechanical tests						
Tensile strength	MD	EN ISO 10319	kN/m	21.20	- 2.12	20.07
	CMD	EN ISO 10319	kN/m	23.40	- 2.34	20.07
Tensile strain at max. tensile	MD	EN ISO 10319	%	56.0	- 11.0	45.0
	CMD	EN ISO 10319	%	56.0	- 11.0	45.0
Static puncture test		EN ISO 12236	KN	3.500	- 0.350	3.150
Dynamic perforation resistance		EN ISO 13433	mm	17	4	21
Energy index		NorGeoSpec 2012	kN/m	4.5	0.0	4.5
Hydraulic tests						
Velocity index		EN ISO 11058	m/s	0.030	- 0.009	0.021
Characteristic opening size		EN ISO 12956	µm	70	± 21.0	49 - 91
Durability (Declared value)						
Service life			years	<input type="checkbox"/> 25	<input type="checkbox"/> 50	<input type="checkbox"/> 100

Quality Product Certification: Separation and Filtration

Application profile: **4**