

NorGeoSpec 2012 Product Certificate



Certificate no.: NGS-50045

Manufacturer: TESSILBRENTA

Raw material: PP

Date: 05.09.2016

Product: HIPERTEX TB 4

Function: Separation and
Filtration

Valid until: 04.09.2018

Product Type: GTX-N

Quality Product Certification Separation and Filtration

Characteristic	Standard	Unit	Declared value	Max. tolerance	Certification value
Mass per unit area	EN ISO 9864	g/m ²	260	± 26	234 - 286
Mechanical tests					
Tensile strength	MD	EN ISO 10319	kN/m	20.60	- 2.00
	CMD	EN ISO 10319	kN/m	23.70	- 2.30
Elongation at max. load	MD	EN ISO 10319	%	52.0	- 10.0
	CMD	EN ISO 10319	%	52.0	- 10.0
Static puncture test	EN ISO 12236	kN	3.200	- 0.320	2.880
Dynamic perforation resistance	EN ISO 13433	mm	18	3	21
Energy index	NorGeoSpec 2012	kN/m	4.5	0.0	4.5
Hydraulic tests					
Velocity index	EN ISO 11058	m/s	0.035	- 0.010	0.025
Characteristic opening size	EN ISO 12956	µm	70	± 21.0	49 - 91
Durability (Declared value)					
Service life		years	25		

Quality Product Specification

Separation and Filtration

Application profile: **4**

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 requ
Approved by the NorGeoSpec Technical committee: 03.03.2016