

Quality Product CertificationSeparation 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-50138
Date:	05.09.2018
Valid until:	04.09.2020
Manufacturer:	Tessilbrenta
Product:	HIPERTEX TB3
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

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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: 05.09.2018



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Characteristic		Standard	Unit	Declared value	Max. tolerance	Certification value
Mass per unit area		EN ISO 9864	g/m²	190	± 19	171 - 209
Mechanical tests						
Tensile strength	MD	EN ISO 10319	kN/m	15.40	- 1.50	15.00
	CMD	EN ISO 10319	kN/m	17.80	- 1.70	15.00
Tensile strain at tensile strength	MD	EN ISO 10319	%	51.0	- 10.0	41.0
	CMD	EN ISO 10319	%	51.0	- 10.0	41.0
Static puncture test		EN ISO 12236	KN	2.300	- 0.230	2.070
Dynamic perforation resistance		EN ISO 13433	mm	23	4	27
Energy index		NorGeoSpec 2012	kN/m	3.2	0.0	3.2
Hydraulic tests						
Permeability normal to the plane without load		EN ISO 11058	m/s	0.045	- 0.014	0.032
Characteristic opening size		EN ISO 12956	μm	75	± 23	53 - 98
Durability (Declared value)			•			
Service life			years	<u> 25</u>	<u></u> 50	<u> </u>

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