

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-50158
Date:	03.02.2019
Valid until:	02.02.2021
Manufacturer:	THRACE NG
Product:	200NW
Product Type:	GTX-N
Raw material:	РР
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: 03.02.2019



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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	16.70	- 1.67	15.02
	CMD	EN ISO 10319	kN/m	16.70	- 1.67	15.03
Tensile strain at tensile strength	MD	EN ISO 10319	%	45.0	- 9.0	36.0
	CMD	EN ISO 10319	%	45.0	- 9.0	
Static puncture test		EN ISO 12236	KN	2.350	- 0.235	2.115
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	0.060	- 0.018	0.042
Characteristic opening size		EN ISO 12956	μm	90	± 27	63 - 117
Durability (Declared value)						
Service life			years	<u> 25</u>	<u></u> 50	<u> </u>

Quality Product Certification: Separation and Filtration Application profile: 3