

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-50180
Date:	01.12.2019
Valid until:	30.11.2021
Manufacturer:	DuPont de Nemours
Product:	SF32
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

NorGeoSpec

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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: 01.12.2019



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Characteristic		Standard	Unit	Declared value	Max. tolerance	Certification value
Mass per unit area		EN ISO 9864	g/m²	110	± 11	99 - 121
Mechanical tests						
Tensile strength	MD	EN ISO 10319	kN/m	7.00	- 0.70	6.30
	CMD	EN ISO 10319	kN/m	7.00	- 0.70	
Tensile strain at tensile strength	MD	EN ISO 10319	%	45.0	- 9.00	36.0
	CMD	EN ISO 10319	%	45.0	- 9.00	
Static puncture test		EN ISO 12236	KN	1.000	- 0.100	0.900
Dynamic perforation resistance		EN ISO 13433	mm	35	+ 7	42
Energy index		NorGeoSpec 2012	kN/m	1.2	0.0	1.2
Hydraulic tests						•
Permeability normal to the plane without load		EN ISO 11058	m/s	0.070	- 0.021	0.049
Characteristic opening size		EN ISO 12956	μm	140	± 42	98 - 182
Durability (Declared value)						•
Service life			years	□ 25	□ 50	☒ 100

Quality Product Certification: Separation and Filtration Application profile: 1