NorGeoSpec 2012 Product Certificate

SINTEF

Certificate no.:	2610-QC-1489	Manufacturer:	DuPont de Nemours	Raw material:	PP
Date:	01.12.2015	Product:	Typar SF32-A	Function:	Separation and Filtration
Valid until:	30.11.2017	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/m²	110	± 13	**97-123**
Mechanical tests						
Tensile strength	MD	EN ISO 10319	kN/m	6.80	- 0.68	**6.10**
	CMD	EN ISO 10319	kN/m	6.80	- 0.68	
Elongation at max. load	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	0.900	- 0.090	**0.810**
Dynamic perforation resistance		EN ISO 13433	mm	35	+ 7	**42**
Energy index		NorGeoSpec 2012	kN/m	1.2	-	**1.2**
Hydraulic tests						
Velocity index		EN ISO 11058	m/s	0.060	- 0.018	**0.042**
Characteristic opening size		EN ISO 12956	µm	140	± 42	**98-182**
Durability (Declared value)						
Service life			years	25		

Quality Product Specification		
Separation and Filtration	Application profile:	**1**

Issued by

Christian Recker, NorGeoSpec project manager

Approved by

Arnstein Watn, Head of the Technical committee

The products are regulary audited and tested to verify that the characteristics fulfil the NorGeoSpec requirements.
Approved by the NorGeoSpec Technical committee: 01.12.2015