

NorGeoSpec 2002 Product Certificate



Product Certificate

www.norgeospec.org
No 0410-QC-1062
Typar SF 32
NorGeoSpec 2002

Date:	2004-10-14
Manufacturer:	DuPont de Nemours
Product:	Typar SF 32
Applicable to specification profile:	1
Certificate	No 0410-QC-1062
Certification procedure:	QC
Required level of delivery control: 1 identification control for every 50 000 m ² , but minimum 1 control for deliveries over 10 000 m ²	

Characteristic		Maximum tolerance (units)	Tolerance on CE mark ^{1,2}	Mean value on CE mark ¹	95% confidence limit	Certification value
Tensile strength	MD kN/m	-0.73	-0.73	7.3	6.57	
EN ISO 10319	CMD kN/m	-0.73	-0.73	7.3	6.57	6.6
Tensile strain	MD %	-10 %	-10 %	50 %	40 %	
EN ISO 10319	CMD %	-10 %	-10 %	50 %	40 %	40 %
Cone drop diam						
EN 918	mm	7.2	6	36	42	42
Energy index						
EN ISO 10319 ⁴	kN/m		0.41	1.83	1.42	1.42
Velocity index						
EN ISO 11058	10 ⁻³ m/s	-21	-20	70	50	50
Opening size						
EN ISO 12956	O ₉₀ (mm)	0.042	0.025	0.140	0.165	0.165
Mass EN 965 ³	g/m ²	13.2	6.6	110	97 - 123	97 - 123
Static puncture						
EN ISO 12236 ³	N	-110	-110	1100	990	990
Application profile						1

¹Mean values and tolerances given on a product data sheet with revision date 2003-07-22

²The maximum tolerance is applied for evaluation when tolerances given on the CE-mark document exceeds the maximum allowable tolerance required in NorGeoSpec 2002. The product is continuously audited to control that the characteristics fulfil the NorGeoSpec requirements.

³The certification values for these characteristics is to be used in delivery control. For the mass per unit area the allowable variation range is given while the minimum value is given for the static puncture strength.

⁴ Energy index and tolerance are calculated on basis of data given on the data sheet

SINTEF is **Notified as a competent body** related to directive 89/106/EEC by the Norwegian Royal Ministry of Trade and Industry

Notified body ID no: 1278
Products: Geotextiles and geotextile related products
Tasks: Inspection/Certification

	Issued by	Approved by
Date	Maj Gøril Glåmen	Arnstein Watn
14.10.2004		

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