

NorGeoSpec 2012 Product Certificate



Certificate no.: NGS-50021

Manufacturer: TenCate Geosynthetics

Raw material: PP

Date: 03.03.2016

Product: Bidim S41(5)

Function: Separation and Filtration

Valid until: 03.03.2018

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/m ²	140	± 14.0	126-154
Mechanical tests							
Tensile strength	MD	EN ISO 10319	kN/m	9.20	- 0.92	10.04	
	CMD	EN ISO 10319	kN/m	13.10	- 1.31		
Elongation at max. load	MD	EN ISO 10319	%	90.0	- 18.0	46.0	
	CMD	EN ISO 10319	%	25.0	- 5.0		
Static puncture test		EN ISO 12236		kN	1.550	0.155	1.705
Dynamic perforation resistance		EN ISO 13433		mm	31	5	36
Energy index		NorGeoSpec 2012		kN/m	2.1	0,0	2.1
Hydraulic tests							
Velocity index		EN ISO 11058		m/s	0.090	- 0.027	0.063
Characteristic opening size		EN ISO 12956		µm	90	± 27.0	63-117
Durability (Declared value)							
Service life				years	25		

Quality Product Specification

Separation and Filtration

Application profile: **2**

Issued by

Christian Recker, NorGeoSpec project manager

Approved by

Arnstein Watn, Head of the Technical committee



The products are regularly audited and tested to verify that the characteristics fulfil the NorGeoSpec requirements.
Approved by the NorGeoSpec Technical committee: 03.03.2016