DATA SHEET

N°1043/CE - R. 03 - 20/6/2011

Mod. 03 PGQ 5.4_01 Rev. 01 del 03.09.2007

1071-CPR

GEO PP TC 500

Geo&tex 2000 S.p.A., Via XXV Aprile 3, I-36020 SAN NAZARIO (VI), Italy

Produced in factories SN - CB1 - CB2

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1071 - CPR - 1970

Non woven Geotextile manufactured from UV-stabilised polypropylene staple fiber, needlepunched and thermocalendered

suitable for the following applications:

☑	**EN 13249:2000+A1:2005 :** Characteristics required for use in the construction of roads and other trafficked areas	☑	**EN 13250:2000+A1:2005 :** Characteristics required for use in the construction of railways
☑	**EN 13251:2000+A1:2005 :** Characteristics required for use in earthworks, foundations and retaining structures	☑	**EN 13252:2000+A1:2005 :** Characteristics required for use in drainage systems
☑	**EN 13253:2000+A1:2005 :** Characteristics required for use in erosion control works (coastal protection, bank revetments)	☑	**EN 13254:2000+A1:2005 :** Characteristics required for use in the construction of reservoirs and dams
☑	**EN 13255:2000+A1:2005 :** Characteristics required for use in the construction of canals	☑	**EN 13256:2000+A1:2005 :** Characteristics required for use in the construction of tunnels and underground structures
☑	**EN 13257:2000+A1:2005 :** Characteristics required for use in solid waste disposal	☑	**EN 13265:2000+A1:2005 :** Characteristics required for use in liquid waste containment projects

Functions:

F - D - R - P - F+D - R+P - F+S+D - F+R+S - F+S - R+S - F+R

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Characteristic	Test Method	Unit		Nominal Value	Tolerance
Mass per unit area	EN ISO 9864	g/m^2		500	-50
Thickness	EN ISO 9863-1	mm	2 kPa	2,10	-0,42
Wide-Width Tensile Strength	EN ISO 10319	kN/m	MD	35,00	-3,50
			CMD	40,00	-4,00
			DIAGONAL	NR	NR
Elongation	EN ISO 10319	%	MD	70,00	-20 / +20
			CMD	70,00	-20 / +20
			DIAGONAL	NR	NR
Energy Index	EN ISO 10319	kN/m		NR	NR
Static Puncture Resistance	EN ISO 12236	N		6300	-630
Dynamic Perforation Test	EN ISO 13433	mm		7	+ 2
Pyramidal Puncture Resistance	NF G 38019	kN		NR	NR
Characteristic Opening Size	EN ISO 12956	µm		60	-21 / +21
Permeability normal to the Plane	EN ISO 11058	m/s		0,010	-0,003
Long Term Protection Efficiency	EN 13719	%	300 kPa	2,10	+ 0,21
			600 kPa	NR	NR
			1200 kPa	NR	NR
Water Flow Capacity in the Plane	EN ISO 12958	m^2/s	20 kPa - i=1	1,60E-06	-4,80E-07
			100 kPa - i=1	8,80E-07	-2,64E-07
			200 kPa - i=1	8,20E-07	-2,46E-07
Durability Prediction	To be covered within 1 month after installation. Predicted to be durable for more than 80 years in natural soils with 4<ph<9 and soil temperature < 15 °C (Ass essment 325070/110701)				
Oxidation Resistance	EN ISO 13438	Residual Strength		MD	>90%
				CMD	>90%
Chemical Resistance	EN 14030	Residual Strength		MD	>90%
				CMD	>90%
Microbiological Resistance	EN 12225	Residual Strength		MD	100%
				CMD	100%

MD : Machine Direction - CMD : Cross Machine Direction - NR : Not Required for application

TOLERANCE ON ROLL WIDTH: ± 3 cm. TOLERANCE ON ROLL LENGTH: ± 2% IF LENGTH ≤ 200 m, ± 1% IF LENGTH > 200 m.
STANDARD CORES: PAPER, DIAMETER INNER 81mm / OUTER 89mm ± 5%. TOLERANCE ON GROSS/NET WEIGHT ± 5%.
TECHNICAL DATA BASED ON STATISTIC ANALYSIS ON 95% CONFIDENCE LIMIT. PRESENT DATA SHEET CAN BE MODIFIED WITHOUT PRIOR NOTICE
Plants Codes : **SN**: 36020 San Nazario, Via XXV Aprile 3 - **CB1**: 36020 Campolongo Sul Brenta, Via Zannini 128 - **CB2**: 36020 Campolongo Sul Brenta, Via Giusti 54/56

Issued		Verified		Approved	
Date	COM	Date	RCQ	Date	RSGQ
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