DECLARATION OF PERFORMANCE

Nº: 0021 – GEOTEXTIL – 20130701

GEOTESAN PP NT 58

Nonwoven geotextile makes up 100% polypropylene fibres
joined by a needled process and a later thermofixation.
The traceability is warranted because of the batch and serial number that you can see in the roll's label.

Uses: Drainage-Filtration-Reinforcement-Separation-Protection

Manufactured by GEOTEXAN, SA.
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Evaluation System: 2+

Bureau Veritas Certificación, SA – 1035
Assessment and evalutation of factory production control
System 2+
1035 – CPR – ES033858 - A, 31th Octuber of 2014

ESSENTIAL CHARACTERISTICS	PERFORMANCE	HARMONISED NORMS
Mass per unit area (EN ISO 9864)	500,00 g/m² (+/- 10,00%)	EN 13249:2017
Tensile strength (EN ISO 10319) MD: Machine Direction; CMD: Cross Machine Direction	MD 34,50 kN/m (-13,00%) CMD 39,50 KN/m (-13,00%)	EN 13250:2017
Elongation (EN ISO 10319)	MD 63,11% (+/- 6,48) CMD 64,72% (+/- 7,32)	EN 13251:2017
Dynamic perforation resistance (EN ISO 13433)	6,00 mm (+2,0)	EN 13252:2017
Static puncture resistance (CBR) (EN ISO 12236)	6,49 KN (-0,43)	
Characteristic opening size (EN ISO 12956)	55,0 µm (+/- 17,0)	EN 13253:2017
Water permeability normal to the plane (EN ISO 11058)	0,041 m/s (-0,012)	
Flow capacity in the plane (EN ISO 12958) Gradient q20/1,0 Gradient q200/1,0	 $1,45*10^{-5}$ m²/s (-30,00%) $4,12*10^{-6}$ m²/s (-30,00%)	EN 13254:2017
Thickness under 2 kPa (EN ISO 9863/1)	3,98 mm (+/-10,6%)	EN 13255:2017
Durability (EN ISO 12224)	To be covered in the day of installation for reinforcing and in 2 weeks for other application. Avoid to put the geotextiles in contact with other products that they can damage or modify them.	EN 13256:2017
Oxidation resistance (EN ISO 13438)	Predicted to be durable for a minimum Of 25 years in natural soil witho 4 < pH < 9 and temperatures < 25ºC	EN 13257:2017
Protection effectivences (EN 13719)	0,60% (+0,12)	EN 13265:2017

The product's performance identified like GEOTESAN PP NT 58 is in conformity with the declared performance in the upper board. This declaration of performance is issued the conformity with Regulation EU Nº 305/2011 under the sole responsability of GEOTEXAN, SA. Signed for and on behalf of GEOTEXAN, SA by:

Jesús Madrid Soldán
Quality Manager of Geotexan, SA.

Minas de Riotinto, 13th July of 2017.

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