



Technical Data Sheet



Product: GT- IR

Date Revised: 1/14/2018

Sepanta group
Waterproofing Dep.

Geotextile (GT)

Properties	Unit	Test Method	Direction	300g/m ²	400g/m ²	500g/m ²	600g/m ²	750g/m ²
Mass per unit Area	g/m	DIN EN 29073.1		300	400	500	600	750
Thickness	mm	DIN EN 29073.2		3.4	4	4.8	5.6	6.1
Max. Tensile	kN/m	DIN EN 29073.3	Longitudinal	19	26	30	37	40
Max. Tensile	kN/m	DIN EN 29073.3	Transverse	16	26	30	37	40
Max. Elongation	%	DIN EN 29073.3	Longitudinal	55	55	55	55	55
Max. Elongation	%	DIN EN 29073.3	Transverse	50	50	50	50	50
CBR of Puncture Resistance	kN/m	DIN EN ISO12236		3.4	4.1	4.8	5.4	5.7
Initial size	µm	DIN EN ISO12956		93	85	75	75	70
Water permeability vertically	10 ⁻³ m/s	DIN EN ISO11058		2.4	2.4	2.4	2.4	2.4
Extensible Tensile force	N	ASTM D 4632	Longitudinal	1220	1380	1810	2000	2120
Extensible Tensile force	N	ASTM D 4632	Transverse	1220	1380	1810	2000	2120
Max. Extensible Tensile force	%	ASTM D 4632	Longitudinal	59	54	54	54	51
Max. Extensible Tensile force	%	ASTM D 4632	Transverse	62	57	5	57	53
Peel Strength	N	ASTM D 4533	Longitudinal	395	510	710	830	870
Peel Strength	N	ASTM D 4533	Transverse	365	505	680	860	880
Compression and Resistance Index	N	ASTM D 4833		560	720	840	980	1020

Certificate

MAIN ADVANTAGES

Low water absorption, Well water conductivity

Usage Application

Protect Geomembranes against puncturing can be use as filter in draining systems

Category According to BS 8102 (2009)

Type A

Type B

Type C

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