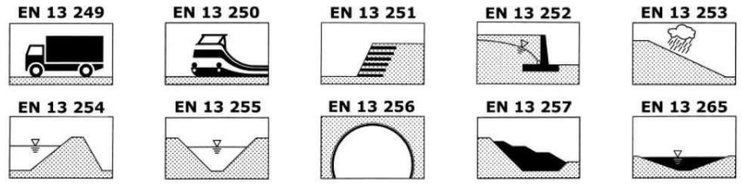
geoNETEX A PP TT

Civil Engineering

Rev: June 2019

Nonwoven geotextile manufactured from UV stabilised, high tenacity, virgin polypropylene fibres that have been mechanically entangled to provide high strength, high extensibility, high loft and excellent abrasion characteristics. TT geotextiles are Thermally Treated to reduce thickness while maintaining excellent mechanical properties.

nonwoven geotextiles



geoNETEX A PP TT UVLS																		
	Test Method	Unit	90	100	110	120	140	150	160	170	180	200	235	250	280	290	300	350
Mechanical Properties																		
CBR Puncture Resistance	EN ISO 12236	kN	0.80	0.90	1.27	1.35	1.50	1.54	1.80	2.00	2.20	2.50	2.50	3.00	3.20	3.40	3.70	4.60
Tensile Strength (MD)	EN ISO 10319	kN/m	4.5	5.9	8	8.5	9	11	11.5	12	13	17	16	19	20	22	24	27
Tensile Strength (CMD)			5	5.9	8.5	10	10	11	12.5	12	13	18	16	20	20	22	24	27
Tensile Elongation (MD)	EN ISO 10319	%	40	45	50	50	50	50	60	45	50	60	50	60	55	60	65	60
Tensile Elongation (CMD)			45	50	60	60	60	65	70	60	65	70	65	70	70	70	75	70
Dynamic Perforation	EN ISO 13433	mm	42	40	35	32	35	28	24	22	22	20	20	17	16	16	15	11
Hydraulic Properties																		
Pore Size (o90)	EN ISO 12956	µm	90	90	100	80	65	65	85	90	63	60	63	50	63	50	50	50
Permeability (H50)	EN ISO 11058	l/m2/s	90	70	79	77	70	70	53	60	50	42	25	36	25	34	34	34
Physical Properties (Nominal)																		
Mass per unit Area	EN ISO 9864	g/m2	90	100	110	120	140	150	160	170	180	200	235	250	280	290	300	350
Thickness	EN ISO 9863-1	mm	0.45	0.55	0.52	0.58	0.65	0.65	0.75	0.80	0.70	0.90	1.10	1.10	1.00	1.20	1.25	1.40
Material Dimensions																		
Roll Width		m	6 or 6.5															
Roll Length		m	100															
Gross Roll Weight		kg	>64	>70	>76	>82	>94	>100	>106	>112	>127	>140	>163	>173	>192	>199	>205	>238

Contact us to find out more information
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Melton Grove Works, Church Road, Lytham, FY8 5PL

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Additional Information

DURABILITY

JUTA UK's non-woven geotextile range is manufactured from high tenacity virgin polypropylene staple fibres, which have a high resistance to acids, alkalis and most solvents. Polypropylene can be considered as inert to acid and alkali attack and is suitable for most geosynthetic applications.

See below, the required standards for polypropylene geotextiles in accordance with CE marking and associated data relating to our range of products:

Durability Data		
Resistance to Weatering (UV)	EN 12224	>90%
Resistance to Oxidization (100 Years)	EN 12226	>90%
Microbiological Resistance	EN 12225	No Loss
Resistance to Liquids	EN 14030	No Loss

HANDLING

Roll weights can be between 300kg (600lbs) and 1475kg (3245lbs) and hence appropriate equipment is required for unloading and handling. E.g. front-end loader, back hoe, forklift (pole truck) or crane.

STORAGE

Rolls of geotextile should be stored on stable/level ground and stacked not more than five rolls high, with no other material stacked on top. The rolls can be stored outdoors when packaged, but should be protected from exposure to UV.

PLEASE CONTACT JUTA UK DIRECTLY FOR MORE INFORMATION ON geoNETEX A PP TT.

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