



## A new filtration system with non-woven Geotextile

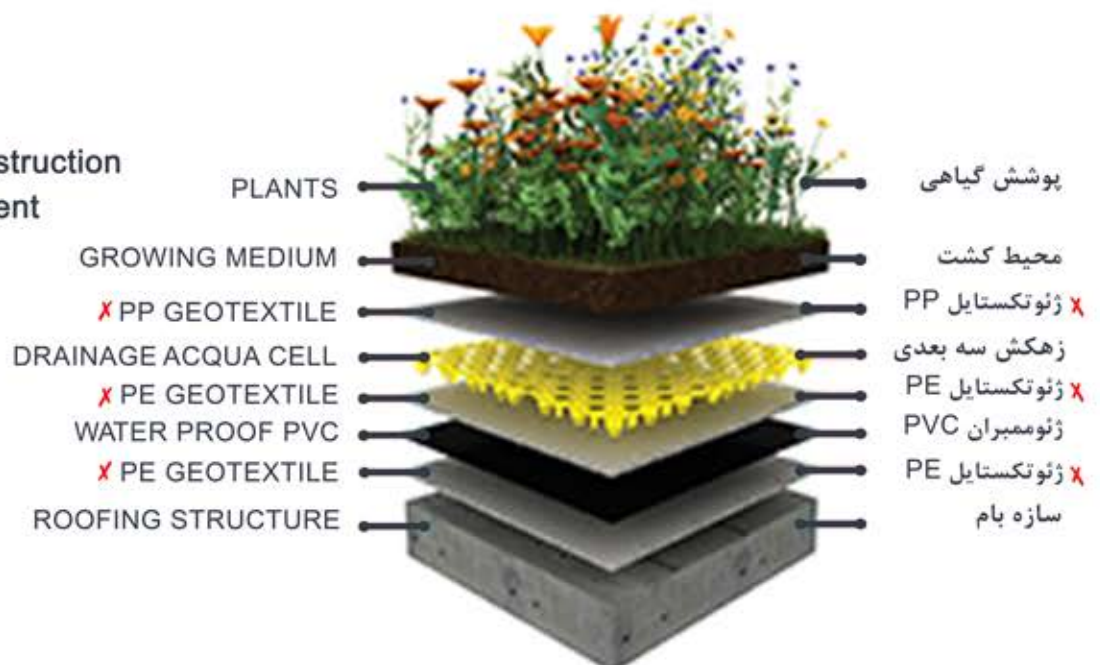


Geotextiles are permeable fabrics which, when used in association with soil, have the ability to separate, filter, reinforce, protect, or drain. Typically made from polypropylene or polyester, geotextile fabrics come in three basic forms: woven (resembling mail bag sacking), needle punched (resembling felt), or heat bonded (resembling ironed felt)

Geotextile composites have been introduced and products such as geogrids and meshes have been developed. Geotextiles are able to withstand many things, are durable, and are able to soften a fall if someone falls down. Overall, these materials are referred to as geosynthetics and each configuration—geonets, geosynthetic clay liners, geogrids, geotextile tubes, and others—can yield benefits in geotechnical and environmental engineering design

### Applications:


- Asphalt and asphalt road construction
- Retaining wall and embankment
- Runway
- Strengthen the slope
- Landslide area
- Revitalize the beach
- Marine construction



## Specification of geotextile:

Specification	unite	test	direction	200 g/m <sup>2</sup>	250 g/m <sup>2</sup>	300 g/m <sup>2</sup>	400 g/m <sup>2</sup>	500 g/m <sup>2</sup>	600 g/m <sup>2</sup>	700 g/m <sup>2</sup>
Mass per unit area	g/m <sup>2</sup>	D6261		200	250	300	400	500	600	700
Thickness	mm	DIN EN 29073/3		2/6	3	3/4	4	4/8	5/6	6/1
Max. Tensile stenght	kN/m	D4632	liner	10/5	13	16	25	30	32	37
Max. Tensile stenght	kN/m	D4632	unite	12	16	19	28	32	35	39
Elongation at max. grabTensile strength	%	D4632	liner	95	92	87	80	75	70	55
Elongation at max. grabTensile strength	%	D4632	unite	93	90	88	78	72	68	50
Hole size cone drop test	mm	EN918		20	17	14	9	8	7	6
CBR puncture Resistance	kN/m	D6241		2/5	3	3/4	4/1	4/8	5/4	5/7
Grab Tensile strength	N	D4632	liner	310	340	390	490	685	720	805
Grab Tensile strength	N	D4632	unite	320	350	395	505	690	735	825
trapezoid tearing strength	N	ASTM D 4533	liner	290	340	395	510	710	830	870
trapezoid tearing strength	N	ASTM D 4533	unite	300	320	365	505	680	860	880

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