DANOFELT PP I-300/I-500/I-900

Non-Woven Polypropylene Geo-Textile

DESCRIPTION

DANOFELT PP I-300/I-500/I-900 is non-woven mechanically bonded needle punched geo-textile of 300gsm, 500gsm and 900gsm, manufactured from high quality U.V stabilized polypropylene short fiber.

The advanced manufacturing process produces strong, flexible and dimensionally stable geo-textile fabric structure, with optimum pore sizes and high permeability.

It is resistant to chemicals and biological degradation normally found in soils and is stabilized against degradation due to shorter exposure to ultraviolet radiation.

USES

It is used as separating layer between two in-compatible materials, avoiding their contact ensuring the maintenance of their initial performance.

It is used as protection layer on waterproofing layer preventing the perforation and abrasion during subsequent works.

It is used as separation, filtration, drainage, reinforcement and protection layer improving the mechanical and hydraulic behaviour in various civil engineering applications.

ADVANTAGES

- Prevents attack of or adhesions between two different in-compatible materials.
- High resistance to puncture, chemical and biological elements existing in the soil.
- Easy to install and adaptable to complex geometrics.

SUPPLY

DANOFELT PP I-300/I-500/I-900 is supplied in roll size of 5.8m x 100m (w x l).

STORAGE

DANOFELT PP I-300/I-500/I-900 must be stored above 5°C. Store under the shed & protect from extremes of temperature, heat, and direct sunlight.

SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage of **DANOFELT PP I-300/I-500/ I-900.**

PROPERTIES

Properties	Standard	Unit	DANOFELT PP I-300	DANOFELT PP I-500	DANOFELT PP I-900
Mechanical properties					
Wide Width Tensile Strength	ASTM D 4595	KN / m	20	32	55
Elongation	ASTM D 4595	%	> 50	>50	>50
Grab Tensile Strength	ASTM D 4632	N	1050	1700	3350
Grab Tensile Elongation	ASTM D 4632	%	> 55	>55	>50
Trapezoidal Tear Strength	ASTM D 4533	N	400	580	1050
Puncture Strength (CBR)	ASTM D 6241	N	3000	4800	9000
Physical properties					
Mass/Unit Area	ASTM D 5261	gsm	300	500	900
Thickness	ASTM D 5199	mm	2.2	3.0	5.0
Hydraulic properties					
Apparent Opening Size	ASTM D 4751	microns	75	75	75
Water Flow	ASTM D 4491	$l/m^2/s$	40	40	30

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