

DANOFELT PY I-300/I-500/I-700/I-900



Non-Woven Polyester Geo-Textile

DESCRIPTION

DANOFELT PY I-300/I-500/I-700/I-900 is non-woven mechanically bonded needle punched geo-textile of 300gsm, 500gsm, 700gsm and 900gsm, manufactured from high quality U.V stabilized polyester 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 incompatible 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, 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 PY I-300/I-500/I-700/I-900 is supplied in roll size of 5.8m x 100m (w x l).

STORAGE

DANOFELT PY I-300/I-500/I-700/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 PY I-300/I-500/I-700/I-900**.

PROPERTIES

Properties	Standard	Unit	DANOFELT PY I-300	DANOFELT PY I-500	DANOFELT PY I-700	DANOFELT PY I-900
Mechanical properties						
Tensile Strength	ASTM D 4595	KN/m	11	20	22	25
Elongation	ASTM D 4595	%	> 50	>50	>50	>50
Grab Tensile Strength	ASTM D 4632	N	650	850	1100	1400
Grab Tensile Elongation	ASTM D 4632	%	> 55	>55	>55	>55
Trapezoidal Tear Strength	ASTM D 4533	N	300	500	700	900
Puncture Strength (CBR)	ASTM D 6241	N	1800	2400	3000	3800
Physical properties						
Mass/Unit Area	ASTM D 5261	Gsm	300	500	700	900
Thickness	ASTM D 5199	mm	2.3	3.0	4.0	5.5
Hydraulic properties						
AOS	ASTM D 4751	microns	40	40	40	40
UV Resistance @ 150 hrs.	ASTM D 4355	% Strength Retained	>85	>85	>85	>85

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