

DANOFELT PY I-120/I-140/I-150/ I-200



Non-Woven Polyester Geo-Textile

DESCRIPTION

DANOFELT PY I-120/I-140/I-150/I-200 is non-woven mechanically bonded needle punched geo-textile of 120gsm, 140gsm, 150gsm, and 200gsm 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 U.V 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 incompatible 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-120/I-140/I-150/I-200 is supplied in roll size of 2.9m x 100m (w x l).

STORAGE

DANOFELT PY I-120/I-140/I-150/I-200 must be stored above 5°C. Store under the shed & protect from extremes of temperature, heat, direct sunlight.

SAFETY PRECAUTIONS

As with all chemical products, care should be taken during use and storage of **DANOFELT PY I-120/I-140/I-150/I-200**.

PROPERTIES OF PRODUCT

Properties	Standard	Unit	DANOFELT PY I-120	DANOFELT PY I-140	DANOFELT PY I-150	DANOFELT PY I-200
Mechanical properties						
Tensile Strength	ASTM D 4595	KN/m	2.4	3.2	3.5	6
Elongation	ASTM D 4595	%	> 50	>50	>50	>50
Grab Tensile Strength	ASTM D 4632	N	150	200	230	320
Grab Tensile Elongation	ASTM D 4632	%	> 55	>55	>55	>55
Trapezoidal Tear Strength	ASTM D 4533	N	70	90	100	150
Puncture Strength (CBR)	ASTM D 6241	N	480	600	650	1000
Mass/Unit Area	ASTM D 5261	Gsm	120	140	150	200
Thickness	ASTM D 5199	mm	0.55	0.7	0.8	1.2
AOS	ASTM D 4751	microns	150	125	125	90
UV Resistance @ 150 hrs.	ASTM D 4355	% Strength Retained	>85	>85	>85	>85
Water Flow Rate @5cm head	ASTM D 4491	l/m ² /sec	90	70	70	50

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