

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



Non-Woven Polyester Geo-Textile

## DESCRIPTION

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

## STORAGE

**DANOFELT PY I-120/I-140/I-150** 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**.

## PROPERTIES OF PRODUCT

Properties	Standard	Unit	DANOFELT PY I-120	DANOFELT PY I-140	DANOFELT PY I-150
<b>Mechanical properties</b>					
Elongation	ASTM D 4632	%	≥50	≥50	≥50
Tensile strength	ASTM D 4595	Kn/m	4	5	5.5
Grab Tensile Strength	ASTM D 4632	N	250	350	450
Grab Tensile Elongation	ASTM D 4632	%	> 55	>55	>55
Trapezoidal Tear Strength	ASTM D 4533	N	140	150	160
Puncture Strength (CBR)	ASTM D 6241	N	900	1000	1100
Water Flow Rate- 5cm head	ASTM-D-4491	l/m <sup>2</sup> /sec	70	70	65
<b>Physical properties</b>					
Mass/unit Area	ASTM D 5261	Gsm	120	140	150
AOS (O90)	ASTM D 4751	microns	100	95	90
Thickness	-	mm	0.80	1	1

### VERSION: R2, 201901

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