

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 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 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

VERSION: R2, 201912

Disclaimer: The technical information, and, in particular, the recommendations relating to the application and end-use of Tiki Tar Danosa (TIKIDAN) products, are given in good faith based on TIKIDAN's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with TIKIDAN's recommendations. The information herein is of a general nature and no assumption can be made as to a product's suitability for a particular use or application and no warranty in respect of merchantability or of fitness for a particular purpose can be inferred from this information. The user alone is fully responsible for the product's suitability for the intended application and purpose. TIKIDAN reserves the right to change the properties of its products.

Note: Field service where provided does not constitute supervisory responsibility. Suggestions made by TIKIDAN either orally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not TIKIDAN, are responsible for carrying out procedures appropriate to a specific application. TIKIDAN reserves the right to amend the composition of its material and consequently their prices, without prior notice. For this reason, all orders will be accepted only in accordance with the conditions and technical specifications in force at the date of order. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

TIKITAR DANOSA (INDIA) PRIVATE LIMITED

Tiki Tar Estate, Village Road, Bhandup (W), Mumbai - 400 078,
Maharashtra, India. T: +91 22 4126 6699

E: info@tikidan.in | W: www.tikidan.in

