ENDUROFLEX
EGT 150
Soil Separation & Drainage & Filtration Non-wovens

ACCESSORY PRODUCTS

TECHNICAL DATA SHEET | Enduroflex TDS Jan 2024

DESCRIPTION

EGT 150 PPS are 100% Polypropylene Staple Fiber Needle-punched non-woven Geotextiles. They are characterized by a high resistance to installation damage, high water permeability and UV resistance with inhibitor.

Enduroflex supplies nonwoven needle punched Hydrophilic Geotextile which is polymer based products that are manufactured from a variety of processes. Generally for sub-soil drainage needle punched non woven Geotextile is most suitable type of Geotextile that should be selected for use. The polymers offered are polypropylene or polyester.

EGT 150 are manufactured from the extrusion of fibres which are then laid down on a manufacturing “bed” and then needle punched to entangle the fibres such that a dimensionally stable product is formed. Some additional thermal treatment is then applied to further improve the strength of the geotextile. Because of this manufacturing process EGT 150 are generally best used in applications of drainage, filtration and protection.

PROPERTIES

Properties (Standard)		Unit	PPS 150
Mechanical Properties (T: Typical value M: Minimum average roll value)			
Tensile Strength [ASTM D-4595]	M	KN / m	5.5
Tensile Elongation [ASTM D-4595]	M	%	50
Grab Tensile Strength [ASTM D-4632]	M	N	550
Grab Elongation [ASTM D-4632]	M	%	50
Trapezoidal Tear [ASTM D-4533]	M	N	210
CBR Puncture [ASTM D-6241]	M	N (>=)	1500
Puncture Strength [ASTM D-4833]	M	N (>=)	150
Cone drop resistance (hole-Ø) [BS EN 918]	T	mm	45
Hydraulic Properties			
Permeability [ASTM-D-4491]		cm / s	0.40
Apparent Opening Size (AOS) [ASTM D-4751]		mm≤	0.12
Durability			
UV Resistance (Retained@500 hours) [ASTM D-4355]		%	70
Softening Point [ASTM-D-276]		°C	230
Physical Identification Properties			
Thickness [ASTM-5199] (2KP)		mm	1.2
Roll Width		m (≤)	2/3
Roll Length		m (≥)	200