



Technical Data Sheet

AWAZEL TEX 140

High performance, needle punched, non-woven Geotextile fabric

DESCRIPTION

Geo-textile fabric is a high performance polymeric non-woven stable fibre based on polyester with a high degree of dimensional stability. It is used as a separation, filtration and moisture barrier.

FEATURES

- Excellent resistance to chemical compounds and salts normally present in the soil
- Excellent UV resistance
- Durable and easy to install
- Remarkable resistance to aggressive attack of salts and chemicals
- Good tear and puncture resistance

FUNCTION

Geotextiles are used to provide protection, filtration, separation, reinforcement and drainage functions in soil, rock and waste materials. They are also specifically used as separation and protection layers within structural waterproofing system, protection and moisture mats within the roofing system.

INSTRUCTIONS FOR APPLICATION

The geotextile fabric can be loosely laid depending on type of application and site conditions. The surface generally should be clean and free from debris and large cavity. For roof applications, geotextile should be applied upon clean substrate, either thermal insulation board or waterproofing membrane.

HEALTH & SAFETY

All safety measures should be taken during application. Fire extinguishers should be available on the site. Workers should wear personnel protective tools such as gloves and goggles during application.

PACKING

It is produced in rolls of 2.9 x 100 meters. The rolls are wrapped with double PE foil.

STORAGE & MATERIAL HANDLING

The rolls should always be stored in a shaded area and not to be left on direct sunlight for more than 14 days.

GT031604

AWAZEL TEX 140

High performance polymeric non-woven Geotextile fabric

TECHNICAL DATA

Properties	Typical Data	Test Method
Tensile strength (kN/m)	5.0	ASTM D 4595
Elongation (%)	>50	ASTM D 4595
Grab tensile strength (N)	325	ASTM D 4632
Grab tensile elongation (%)	>55	ASTM D 4632
Mass/unit Area (gsm)	140	ASTM D 5261
Thickness (mm)	1.1	ASTM D 5199
Trapezoidal Tear Strength (N)	130	ASTM D 4533
Puncture strength (CBR) (N)	950	ASTM D 6241
Flow Water Rate -5cm head(l/m ² /sec)	90	ASTM D 4491
AOS (microns)	90	ASTM D 4751
UV Resistance @ 150 hrs (% Strength Retained)	>85	ASTM D 4355
Roll Size, (Width)	2.9 mts.	Nominal
Roll Size, (Length)	100 mts.	Nominal