

CRESGEO PET is needle-punched nonwoven geotextile made from 100% recycled polyester staple fiber, formed into a random network for dimensional stability.

USES

- Geotextiles are used to provide protection filtration, separation, reinforcement and drainage functions in soil, rock and waste materials.
- It is used as separation and protection layers within structural waterproofing system, protection and moisture mats within the roofing system.
- Protection of thin screed and topping concrete layer.
- As a separation and strengthening layer under new roadways, car parks, industrial units etc.
- For separation: to prevent the intermixing of dissimilar soil layers.
- For filtration: to allow the passage of fluids whilst preventing the uncontrolled passage of soil.

TECHNICAL PROPERTIES

Description	Standard	Value						
GSM, g/m ²	ASTM D 5261	100	120	140	200	400	500	1000
Thickness, mm	ASTM D 5199	0.5	0.55	0.7	1.2	1.8	2.2	5
Tensile strength, kN/m	ASTM D 4595	1.5	2.4	3.2	6	10	13	28
Elongation at break, %	ASTM D 4595	50	50	50	50	50	50	50
Grab tensile strength, N	ASTM D 4632	120	150	200	320	650	750	1250
Grab elongation, %	ASTM D 4632	55	55	55	55	55	55	55
Trapezoidal tear strength, N	ASTM D 4533	50	70	90	150	270	320	650
CBR Puncture, N	ASTM D 6241	350	480	600	1000	1850	2300	4700
Water flow rate @ 50 mm head, l/m ² /s	ASTM D 4491	100	90	70	50	40	30	20
Apparent opening size, micron	ASTM D 4751	180	150	125	90	75	75	75

- Tolerance: Physical & Mechanical: -10% & Hydraulic: -30%
- There may be variation in above values due to various factors when tested at other laboratory.
- The above values may also vary if the fabric is converted in to any value added product or used in combination with other products.
- The values may also change due to transportation damages & improper storage and handling at site.
- The values are not intended as warranty / gurantee and KANZ assumes no liability in connection with this information.

APPLICABLE STANDARDS

- ASTM D 5261, ASTM D 5199, ASTM D 4595 & ASTM D 6241
- ASTM D 4491 & ASTM D 4533

ADVANTAGES

- Separation, between two dissimilar materials so that the integrity and functioning of both materials can remain intact and be improved.
- Excellent resistance to chemical compounds and salts normally present in the soil.
- Excellent UV resistance.
- Durable and easy to install.
- Good tear and puncture resistance.

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.

STORAGE

The materials must be stored on smooth surface and indoor spaces. Protect from direct sunlight, extreme hot and moist. Material must be kept away from heat and flammable materials.

PACKING

It is produced in rolls of 3m x 100m, the rolls are wrapped with double PE foil.

HEALTH & SAFETY

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

Product Disclaimer:

Kanz chemical Ind. LLC products are guaranteed against defective materials and are sold subject to standard terms and condition of sale, copies of which are available on request which are reasonable. All recommendations regarding the use of product are made without guarantee since the conditions of use are beyond the company's direct control. It is the customer's responsibility to ensure each product is fit for the purpose for which they intend to use it. Furthermore the specifications and description herein cannot be used to void a contract.

*Refer material safety data sheet (MSDS) for further information.