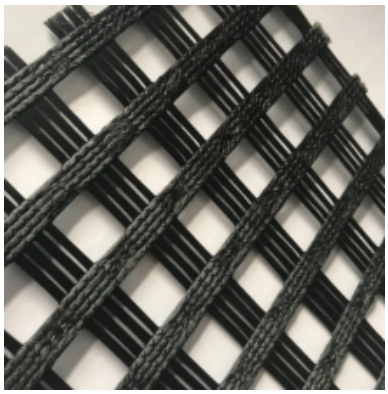
TME Grup Makina İnşaat San. Tic. Ltd. Şti.

CONFORMITY OF PRODUCT

TME GeoTech Polyester Geogrid



Purpose of Usage

TME GeoTech Polyester Geogrid is used to reinforce soil and improve the stability of structures by providing high tensile strength and efficient load distribution within the soil.

Application Locations

It is widely used in reinforced soil retaining walls, steep slopes, embankments, road and railway construction, and other infrastructure projects requiring soil reinforcement.

Coated Polyester Geogrid (PET) : *Ultimate Tensile Strengths from 25kN/m to 1200kN/m),*
PET (Uniaxial geogrids) and PET (Biaxial geogrids) : *Ultimate tensile strengths from 25KN/m to 1200KN/m.*

Polyester uniaxial & Polyester bi-axial Geogrid range: Flexible uniaxial or Biaxial Geogrid constructed of high tenacity , high molecular weight PET – Polyester with black PVC saturation coating by using the state of art knitting process .

Tensile Strength (kN)	Warp	≥30	≥50	≥60	≥80	≥100	≥120	≥150	≥200
	Weft	≥30	≥50	≥60	≥80	≥100	≥120	≥150	≥200
Elogation	Polyester	‹ 13%	‹ 13%	‹ 13%	‹ 13%	‹ 13%	‹ 13%	‹ 13%	‹ 13%
Mesh size(mm)		12.7×12.7	12.7×12.7	12.7×12.7	12.7×12.7	12.7×12.7	12.7×12.7	12.7×12.7	12.7×12.7
		25.4×25.4	25.4×25.4	25.4×25.4	25.4×25.4	25.4×25.4	25.4×25.4	25.4×25.4	25.4×25.4
		40×40	40×40	40×40	40×40	40×40	40×40	40×40	40×40
		50×50	50×50	50×50	50×50	50×50	50×50	50×50	50×50
Width(m)		1~6	1~6	1~6	1~6	1~6	1~6	1~6	1~6
Length(m)		50~300	50~300	50~300	50~300	50~300	50~300	50~300	50~300
Temperature Resistant (°c)		-100~280	-100~280	-100~280	-100~280	-100~280	-100~280	-100~280	-100~280
Resin Content (%)		≤30%	≤30%	≤30%	≤30%	≤30%	≤30%	≤30%	≤30%
Resistance to installation %SC/%SW/%GP		95/93/90	95/93/90	95/93/90	95/93/90	95/93/90	95/93/90	95/93/90	95/93/90
Resistance to long term degradation %		100	100	100	100	100	100	100	100
Design life (years)		150	150	150	150	150	150	150	150
Glue Type		PVC	PVC	PVC	PVC	PVC	PVC	PVC	PVC
		SBR	SBR	SBR	SBR	SBR	SBR	SBR	SBR
		soakage	soakage	soakage	soakage	soakage	soakage	soakage	soakage

Product Features

TME GeoTech Polyester Geogrid is manufactured from high-tenacity polyester yarns and coated with a protective polymer layer. It offers high tensile strength, low elongation, excellent durability, and strong resistance to chemical and environmental effects.

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Values on the tables are avarage values and TME GRUP MAKİNA may make a revise without giving an information.
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