

# CONFORMITY OF PRODUCT

## TME GeoTech Monofilament Woven Geotextile



### Purpose of Usage

High permeability filtration, prevention of soil particle migration, drainage and water flow control, separation of soil and aggregate layers, erosion control, and long-term filtration stability in hydraulic and geotechnical systems.

### Application Locations

Coastal protection structures, drainage systems, river and canal embankments, erosion control projects, filtration layers in revetments, railway and road drainage layers, landfill drainage systems, and hydraulic engineering structures.

Property	Unit	TME-MG120	TME-MG150	TME-MG200	TME-MG250	TME-MG280
Unit Weight,	g/m <sup>2</sup>	120	150	200	250	280
Thickness (2kPa)	mm	0.40	0.48	0.60	0.72	0.85
Break Strength (MD)	KN/m	≥20	≥30	≥40	≥50	≥60
Break Strength (CD)	KN/m	≥14	≥21	≥28	≥35	≥42
Elongation (MD)	%	15-25				
Elongation (CD)	%	15-25				
Trapezoidal Tearing Strength	KN	0.25	0.35	0.45	0.70	0.95
CBR Burst Strength	KN	1,80	2,80	3,60	4,50	5,50
Vertical Permeability Coefficient	cm/s	K×(10 <sup>-2</sup> - 10 <sup>-3</sup> ) K=1.0-9.9				

### Product Features

Monofilament Woven Geotextiles are designed to provide high permeability filtration and soil stabilization in civil engineering and hydraulic applications. Manufactured from polypropylene monofilament yarns woven into a uniform structure, these geotextiles allow large volumes of water to pass through while preventing soil particle migration and erosion.