

# CONFORMITY OF PRODUCT

## TME GeoTech PET High Strength Woven Geotextile



### Purpose of Usage

To provide high-tensile reinforcement, stabilize weak subgrades, prevent the intermixing of soil layers, and distribute structural loads to increase bearing capacity.

### Application Locations

Soft soil road and railway embankments, airport runways, steep slopes, retaining walls, coastal dikes, and basal reinforcement for piled foundations.

Item	Unit	TME-HSG140	TME-HSG200	TME-HSG260	TME-HSG320	TME-HSG390	TME-HSG460	TME-HSG530
Unit Weight	g/m <sup>2</sup>	140	200	260	320	390	460	530
Breakage Strength	KN/m $\geq$ (LD)	35	50	65	80	100	120	140
Breakage Strength	KN/m $\geq$ (TD)	25	35	46	56	70	84	98
Sewing strength	KN/m	Breakage strength*50%						
Elongation Rate	% $\leq$ (LD,TD)	LD35,TD30						
Tearing Strength	KN $\geq$ (LD,TD)	0.5	0.8	1.1	1.3	1.5	1.7	1.9
(CBR) Burst Strength	KN $\geq$	2.0	4.0	6.0	8.0	10.5	13.0	15.5
Vertical Permeability Coefficient	cm/s	10 <sup>-1</sup> ~10 <sup>-3</sup>						
Sieve Size(O95)	mm	0.07~0.5						
Variation	%	±2						

### Product Features

High Strength Woven Geotextiles are designed to provide superior reinforcement and structural stabilization in heavy-duty civil engineering applications. Manufactured from high-tenacity polyester yarns woven into a high-modulus structure, these geotextiles offer exceptional tensile strength and low elongation to support heavy loads while maintaining long-term soil integrity and preventing structural deformation.