

### MACTEX® W2

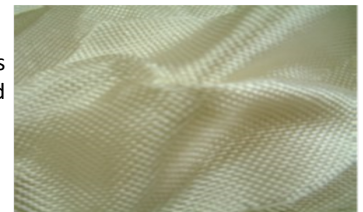
#### WOVEN HIGH STRENGTH POLYESTER GEOTEXTILE

MACTEX W2™ geotextiles are planar woven structures manufactured weaving in the warp and weft directions high tenacity polyester yarns; these fabrics are engineered material suitable for short and long-term soil reinforcement applications.

Mactex® W2		Test Standard	Unit	W2 10.05	W2 20.05	W2 30.05	W2 40.05	W2 60.05	W2 80.05	W2 100.05
Mechanical Index Properties										
Ultimate Tensile Strength—MD		ISO 10319 / ASTM D4595	kN/m	100	200	300	400	600	800	1000
Elongation at Ultimate Tensile Strength—MD		ISO 10319 / ASTM D4595	%	10	10	10	10	10	10	10
Ultimate Tensile Strength—CD		ISO 10319 / ASTM D4595	kN/m	50	50	50	50	50	50	50
Tensile Strength at 5% Strain—MD		ISO 10319 / ASTM D4595	kN/m	45	90	135	180	270	360	450
Long-Term Design Properties										
LTDS (120 years)		BS 8006	kN/m	57	113	170	227	357	476	595
Dimension										
Roll Width	m	5.2								
Roll Length	m	100								
Area	m <sup>2</sup>	520								

#### NOTE:

- LTDS (Long-Term Design Strength) of Mactex® W2 is calculated by reduction factors, such as installation damage of (RF<sub>ID</sub>), creep (RF<sub>CR</sub>), durability (RF<sub>D</sub>) and reduction factor for statical data and uncertainties (RF<sub>S</sub>).



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