

## MACGRID<sup>i</sup> WG

### WOVEN HIGH TENACITY POLYESTER GEOGRID

MACGRID WG		Mechanical properties (typical values)																
		2	3	3S	4	4S	5	5S	6	6S	8	8S	9	11	11S	15	20	
Tensile strength - MD (EN ISO 10319)		25	40	40	45	45	60	60	70	75	90	90	100	130	130	170	220	
Tolerance		-5	-5	-5	-5	-5	-5	-5	-5	-10	-10	-10	-10	-20	-20	-20	-20	
Strain at max strength - MD (EN ISO 10319)		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	12.0	
Tolerance		± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	
Tensile strength - CMD (EN ISO 10319)		25	25	40	25	45	35	60	35	75	35	90	35	35	130	35	25	
Tolerance		-5	-5	-5	-5	-5	-5	-5	-15	-10	-15	-10	-15	-15	-20	-15	-15	
Strain at max strength - CMD (EN ISO 10319)		12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	
Tolerance		± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	± 2.5	
Physical properties																		
Mesh size (nominal)		20 x 20 - 25 x 25 - 35 x 35																
Geogrid core		high tenacity polyester																
Polymeric coating (standard)		EVA or PVC																
Roll width (standard)		from 3.6 to 5.3 according to stock and production availability																
Roll length (standard)		100																

MacGrid<sup>i</sup> is a geogrid for soil reinforcement, made from high molecular weight, high tenacity polyester multifilament yarns. The yarns are woven on tension in machine direction and finished with a polymeric coating. MacGrid<sup>i</sup> geogrids are engineered to be mechanically and chemically durable, and resistant to biological degradation.

#### NOTE

- MD means length direction
- CMD means transverse direction
- Special products can be manufactured on request for specific projects. The white columns are the standards products available on stock; the coloured column are special products to be manufactured on request and generally not available on stock.
- The material is flammable
- The material can be stocked in open space and piled until a maximum height of 5 rolls.
- Info related to tensile strength at 2%, 5% and 6% strain, available on request



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