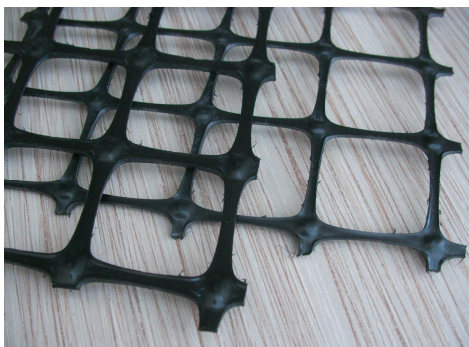


MACGRID® EG POLYPROPYLENE BI-AXIAL GEOGRIDS

MACGRID® EG are high modulus polypropylene geogrids, produced by an extrusion process characterized by a tensile resistance both in the longitudinal and in the transverse direction.
They are inert to all chemical existing in natural soils $4 \leq \text{pH} \leq 9$.
MACGRID® EG are mainly used for soil stabilization and for some kinds of soil reinforcements applications.

MACGRID EG			15S	20S	30S	40S
Mechanical Properties						
Minimum Average Tensile Strength Longitudinal direction	EN ISO 10319 ASTM D 6637	kN/m	15.0	20.0	30.0	40.0
Tensile strength at 2% strain Longitudinal		kN/m	5.0	7.0	10.5	14.0
Tensile strength at 5% strain Longitudinal		kN/m	7.0	14.0	21.0	28.0
Typical strain at M.A.T.S. - Longitudinal		%	13	13	13	13
Minimum Average Tensile Strength Transverse direction		kN/m	15.0	20.0	30.0	40.0
Tensile strength at 2% strain - Transverse		kN/m	5.0	7.0	10.5	14.0
Tensile strength at 5% strain - Transverse		kN/m	7.0	14.0	21.0	28.0
Typical strain at M.A.T.S. - Transverse		%	10	10	10	10
Typical junction strength efficiency Typical value	GRI GG2/GG1	%	95	95	95	95
Physical - Chemical Properties						
Grid Structure			Extruded bi-axial			
Polymer			100% stabilized UV polypropylene			
Carbon Black content		%	≥ 2			
Color			Black			
Mesh Opening size nominal value ⁽¹⁾		mm	38x38	38x38	38x38	38x38
Roll Length		m	50			
Roll Width		m	3.95			



- (1) The mesh size refers to length x transverse directions.
Aperture tolerance ± 3 mm.
Larger openings as 65x65 are available on request.

For the optimization and improvement process of the technical characteristics of the products, the producer reserves the right to modify standard and characteristics of the product without any warning. The information contained herein is to the best of our knowledge accurate, but since the circumstances and conditions in which it may be used are beyond our control, we do not accept any liability for any loss or damage, however arising, which results directly or indirectly from the use of such information nor do we offer any warranty or immunity against patent infringement.

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Bureau Veritas Certified Quality System Company
with SINCERT's and UKAS' s accreditation.