

mastaGRID® Poly Geogrid



APPLICATIONS

- Subgrade Reinforcement
- Rock Stabilisation
- Erosion Control



mastaGRID® is a rigid biaxial geogrid commonly used for subgrade reinforcement, rock stabilisation and erosion control.

mastaGRID® provides the following benefits

- Distribution of loads and therefore reduction in stress concentration over the soil.
- The geogrids structural junctions, rigid ribs and thick walls help lock aggregate, increasing its shear resistance.
- As a result when a vertical load is applied the aggregate is restrained by the ribs reducing deformation. (Lateral Restraint)
- Decrease in long term deformation (creep).
- Reduce subbase thickness.
- Controls differential settlement.

CODE	DESCRIPTION
GGPB2020	mastaGRID® poly 20/20kN 3.95m x 50m
GGPB3030	mastaGRID® poly 30/30kN 3.95m x 50m
GGPB4040	mastaGRID® poly 40/40kN 3.95m x 50m

mastaGRID® Specifications					
Properties	Unit	Stats	20/20	30/30	40/40
Tensile Strength ⁽²⁾	kN/m	MD TD	20 20	30 30	40 40
Tensile Strength @ 2% Strain	kN/m	MD TD	7.0 7.0	10.5 10.5	17.5 17.5
Tensile Strength @ 5% Strain	kN/m	MD TD	14.0 14.0	21.0 21.0	28.0 28.0
Junction Efficiency ⁽⁴⁾	%		≥95%	≥95%	≥95%
Radial Stiffness	kN/m		380	550	725
Typical Dimensions					
Pitch Size	mm	Pmd Ptd	40 40	40 40	38 38
Rib Width	mm	Wmd Wtd	2.3 3.1	2.4 3.7	2.8 4.2
Rib Depth	mm	Typical	1.5	2.4	3.0
Standard Roll Sizes ⁽³⁾			197.5m ² (3.95m x 50m)	197.5m ² (3.95m x 50m)	197.5m ² (3.95m x 50m)

Note 1 Carbon Black content ≥ 0.5%.

Note 2 All Strength and Load figures are based on test results from the manufacturer's laboratory measured in accordance with ISO 10319 at the temperature of 21± 1°C and calculated as a lower 95% Confidence limit in accordance with ISO 2602.

Note 3 Other Roll sizes are available to order.

Note 4 Measured by comparing the results of tests in accordance with test methods GRI/GG2 and GRI/GG1.



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Disclaimer: Consult Jaybro Group or a certified Engineer for site specific installation instructions. Jaybro Group reserves the right to change its product specification at any time. It is the responsibility of the specifier and purchaser to ensure that product specifications used for design and procurement purposes are current and consistent with the products used in each instance. E&OE