

MASTAGRID™ Poly

Polypropylene Geogrid 20/20

GGPB2020

TECHNICAL SPECIFICATIONS



DESCRIPTION

mastaGRID™ Poly is an engineered polypropylene geogrid designed for soil stabilisation, separation & reinforcement applications. This is done through the process of extruding, polypropylene sheets then both stretching in both longitudinal and transverse directions. mastaGRID™ Poly rigid biaxial geogrids perform best in granular, angular fills and are used under roads, railways, loading platforms for sub-base soil reinforcement & stabilisation.

APPLICATION

+ Base Reinforcement + Subgrade Reinforcement + Embankment Stabilisation + Subgrade Separation

SPECIFICATIONS

mastaGRID™ Poly				
INDEX PROPERTIES	TEST METHOD	UNITS	GGPB2020	
			MD VALUES	TD VALUES
Polymer		-	PP	-
Minimum Carbon Black	ASTM D 4218	%	2	-
Tensile Strength @ 2% strain	ASTM D 6637	kN/m (lb/ft)	7 (480)	7 (480)
Tensile Strength @ 5% strain	ASTM D 6637	kN/m (lb/ft)	14 (960)	14 (960)
Ultimate Tensile Strength	ASTM D 6637	kN/m (lb/ft)	20 (1,370)	20 (1,370)
Strain @ Ultimate Strength	ASTM D 6637	%	13	13
Junction Efficiency	GRI GG2	%	93	93
Flexural Rigidity	ASTM D 7748	mg-cm	750,000	-
Aperture Stability	ASTM D 7864	m-N/deg	0.50	-
DIMENSIONS				
Aperture Dimensions	-	mm (in)	35 (1.4)	35 (1.4)
Minimum Rib Thickness	ASTM D1777	mm (in)	1.5 (0.06)	1.1 (0.04)
Roll Width	-	m (ft)	3.95 (12.9)	-
Roll Length	-	m (ft)	50 (164)	-
GEOTEXTILE OVERLAPS				
Standard Soil	-	mm	300	-
Soft / Unstable Soil	-	mm	500	-

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 with the products used in each instance. E&OE