

GeoGrids

DuraGrid PP Biaxial GeoGrid

TECHNICAL DATA SHEET	TDS G 001 036
ISSUE NUMBER	06
DATE	MARCH 2018

DuraGrid Biaxial Geogrid is an integrally formed structure, which is especially designed for soil stabilisation and reinforcement applications. Duragrid is manufactured from Polypropylene, from the process of extruding, longitudinal stretching and transverse stretching. Duragrid is manufactured in a facility that has achieved ISO9001 certification and has passed the CE certification; authorized by BTTG. DuraGrid Biaxial Geogrid features high tensile strength at both longitudinal (MD) and transverse (TD) directions.

Typical Applications include but are not limited to: subgrade and embankment stabilisation, vertical load distribution, base/slope reinforcement. Duragrid can also be used in the fabrication of erosion control mattresses. Cost savings result from the reduction of required structural fill.

DuraGrid conforms to the property values listed below.

PHYSICAL PROPERTIES	TEST METHOD	UNITS	DuraGrid 20/20	DuraGrid 30/30	DuraGrid 40/40
			MD/TD	MD/TD	MD/TD
Carbon Black	ASTM D4218	%	2	2	2
Aperture Dimensions \pm 4mm	Measured (Nominal)	mm	36/36	34/35	33/33
Ultimate Tensile Strength	ASTM D 6637	kN/m	20.0/20.0	30.0/30.0	40.0/40.0
Tensile Strength at 2% Strain	ASTM D 6637	kN/m	7/7	10.5/10.5	14/14
Tensile Strength at 5% Strain	ASTM D 6637	kN/m	14/14	21/21	28/28
Junction Strength	GRI GG2	kN/m	93%	93%	93%
Roll Width x Length	Measured	m	3.95 x 50	3.95 x 50	3.95 x 50

NOTES:

1. Cirtex Industries Ltd reserves the right to alter product specifications at any time without prior notice. It is the responsibility of all users to satisfy themselves that the above data are current and that the product is suitable for its intended end use.
2. Polypropylene is the constituent polymer used in the production of DuraGrid.

DISCLAIMER: All information provided in this publication is correct to the best knowledge of the company and is given out in good faith. The information presented herein is intended only as a general guide to the use of such products and no liability is accepted by Cirtex Industries Ltd for any loss or damage however arising, which results either directly or indirectly from the use of such information. Cirtex Industries Ltd has a policy of continuous development so information and product specifications may change without notice.