

# DURAGRID X

PP GEOGRID

TECHNICAL DATA SHEET	G 032 008
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**DuraGrid X** Geogrid is an integrally formed structure, which is especially designed for soil stabilisation and reinforcement applications. **DuraGrid X** is manufactured from polypropylene, from the process of extruding, longitudinal stretching and transverse stretching. **DuraGrid X** is manufactured in a facility that has achieved ISO9001 certification and has passed the CE certification.

**Typical Applications** include but are not limited to: subgrade and embankment stabilisation, vertical load distribution and base/slope reinforcement.

**DuraGrid X** conforms to the property values listed below.

PHYSICAL PROPERTIES	TEST METHOD	UNITS	DURAGRID X 20/20	DURAGRID X 30/30	DURAGRID X40/40
			MD/TD	MD/TD	MD/TD
APERTURE DIMENSIONS $\pm$ 4mm	Measured (Nominal)	mm	36/36	36/36	34/34
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
RADIAL STIFFNESS AT 0.5%	Note 3	kN/m	390	580	760
JUNCTION STRENGTH	GRI GG2	%	93%	93%	93%
CARBON BLACK	ASTM D 4218	%	2	2	2

## 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 is current and that the product is suitable for its intended end use.
2. Polypropylene is the constituent polymer used in the production of **DuraGrid X**.
3. Cirtex Industries Ltd uses internationally recognised test methods to measure radial stiffness, including ISO 10319/ASTM6637 Wide Width testing and DIN 61551 radial testing. Please contact our technical team for more information.

## DISCLAIMER

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This product has been manufactured under the controls established by a Bureau Veritas certification approved management system that conforms with ISO 9001:2015. Bureau Veritas Certification certificate number NZ001832-2

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