Strol

SmartGrid

Data Sheet

088 003
Version 01
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ENHANCING TOMORROW / STROL.CO.NZ

SmartGrid

SmartGrid Geogrid is an integrally formed structure, which is especially designed for soil stablisation and reinforcement applications. **SmartGrid** is manufactured from polypropylene, from the process of extruding, longitudinal stretching and transverse stretching. **SmartGrid** is manufactured in a facility that has achieved ISO9001 certification and has passed the CE certification.

SmartGrid conforms to the property values listed below.

Physical Properties	Test Method	Units	MD/TD
Aperture Dimensions ± 4mm	Measured (Nominal)	mm	36/36
Ultimate Tensile Strength	ASTM D 6637	kN/m	20.0/20.0
Tensile Strength at 2% Strain	ASTM D 6637	kN/m	7/7
Tensile Strength at 5% Strain	ASTM D 6637	kN/m	14/14
Radial Stiffness at 0.5%	Note 3	kN/m	390
Junction Strength	GRI GG2	%	93%
Carbon Black	ASTM D 4218	%	2

Notes:
1. Strol 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 constuent polymer used in the producton of SmartGrid.
3. Strol 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.