

SC Intergrid

Technical Data

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Polymer	Polypropolene
Minimum carbon black element	2%
Weight KG/m ²	0.3
Roll Dimensions	50m x 4m

The reinforcing element shall be manufactured in accordance with the Quality Assurance requirements ISO 9002. If required by the engineer, the Contractor shall provide evidence that the manufacturer's Quality Assurance System has been certified to conform with ISO 9002 by an external authenticating authority approved by the Department of Trade and Industry.

The reinforcing element shall be a geogrid manufactured from polypropolene sheet, oriented in two directions so that the resulting ribs shall have a high degree of molecular orientation which continues through the area of the integral node.

The geogrid shall be inert to all chemicals naturally found in soils and shall have no solvents at ambient temperature.

It shall not be susceptible to hydrolysis, shall be resistant to aqueous solutions of salts, acids and alkalis, shall be non-biodegradable and shall have a minimum of 2% finely divided carbon black, as determined by BS 2782 Part 4, Method 452B 1993, to inhibit attack by ultra violet light.

The Quality Control Strength, when tested in accordance with ISO 10319 and expressed as the lower 95% confidence limit in accordance with ISO 2602 – 1980 (BS 2846, Part 2, 1981), shall be 30.0kN/m with a peak strain of around 11.0% and 11.0% in the longitudinal and traverse directions respectively.

In addition, typically the load at 2% strain shall be 10.5kN/m and 10.5kN/m in the longitudinal and transverse directions respectively and the load at 5% strain shall be

21.0kN/m and 21.0kN/m in the longitudinal and transverse directions respectively.

The Typical strength of the nodes between the longitudinal and transverse rib, as determined by the Geosynthetics Research Institute, Drexel University, USA, Test Method GG2-87, shall be $\geq 95\%$ of the Quality Control Strength in both longitudinal and transverse directions.