

# GridTex 40/40

## Composite Geogrid

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|----------------------|---------------|
| TECHNICAL DATA SHEET | TDS G 001 092 |
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**Cirtex Composite Geogrids** are geocomposites especially designed for soil stabilisation and reinforcement applications. Cirtex Composite Geogrids are manufactured by bonding a Biaxial Geogrid to a nonwoven polyester geotextile.

| GEOGRID INDEX PROPERTIES       | TEST METHOD | UNITS                  | MD VALUES | TD VALUES |
|--------------------------------|-------------|------------------------|-----------|-----------|
| POLYMER                        | -           | -                      | PP        | -         |
| MINIMUM CARBON BLACK           | ASTM D 4218 | %                      | 2         | -         |
| TENSILE STRENGTH @ 2% STRAIN   | ASTM D-6637 | kN/m                   | 14        | 14        |
| TENSILE STRENGTH @ 5% STRAIN   | ASTM D-6637 | kN/m                   | 28        | 28        |
| ULTIMATE TENSILE STRENGTH      | ASTM D-6637 | kN/m                   | 40        | 40        |
| RADIAL STIFFNESS @ 0.5%        | NOTE 3      | kN/m                   | 750       |           |
| GEOTEXTILE PHYSICAL PROPERTIES |             |                        |           |           |
| POLYMER                        | -           | -                      | PET       | -         |
| MASS PER UNIT AREA             | ASTM D 5261 | g/m <sup>2</sup>       | 200       | -         |
| ULTIMATE TENSILE STRENGTH      | ASTM D 4595 | kN/m                   | 14        | 12        |
| TENSILE ENLARGEMENT            | ASTM D 4595 | %                      | 50        | 50        |
| CBR PUNCTURE STRENGTH          | ASTM D 6241 | N                      | 2300      | -         |
| APPARENT OPENING SIZE          | ASTM D 4751 | mm                     | 0.11      | -         |
| FLOW RATE                      | ASTM D 4491 | l / m <sup>2</sup> / s | 220       | -         |
| DIMENSIONS                     |             | 3.9m x 50m             |           |           |

### 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 GridTex.
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.

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