



# DATA SHEET

No. 516/CE Revision 00 dated 10/2/2006

Mod. 03 PGQ 5.4\_01 Rev. 01 del 03.09.2007



0799-CPD

## GEO RPES AG 300

Geo&tex 2000 S.p.A., Via XXV Aprile 3, I-36020 San Nazario (VI) - ITALY

07  
0799 - CPD - 15

Non woven Geotextile manufactured from polyester fibers, needlepunched

suitable for the following applications:

|                                     |  |   |                                     |  |  |
|-------------------------------------|--|---|-------------------------------------|--|--|
| <input checked="" type="checkbox"/> |  | <b>EN 13249</b> : Characteristics required for use in the construction of roads and other trafficked areas        | <input checked="" type="checkbox"/> |  | <b>EN 13250</b> : Characteristics required for use in the construction of railways                           |
| <input checked="" type="checkbox"/> |  | <b>EN 13251</b> : Characteristics required for use in earthworks, foundations and retaining structures            | <input checked="" type="checkbox"/> |  | <b>EN 13252</b> : Characteristics required for use in drainage systems                                       |
| <input checked="" type="checkbox"/> |  | <b>EN 13253</b> : Characteristics required for use in erosion control works (coastal protection, bank revetments) | <input checked="" type="checkbox"/> |  | <b>EN 13254</b> : Characteristics required for use in the construction of reservoirs and dams                |
| <input checked="" type="checkbox"/> |  | <b>EN 13255</b> : Characteristics required for use in the construction of canals                                  | <input type="checkbox"/>            |  | <b>EN 13256</b> : Characteristics required for use in the construction of tunnels and underground structures |
| <input checked="" type="checkbox"/> |  | <b>EN 13257</b> : Characteristics required for use in solid waste disposal  | <input checked="" type="checkbox"/> |  | <b>EN 13265</b> : Characteristics required for use in liquid waste containment projects                      |

Functions:

F - D - R - F+D - F+S+D - F+R+S - F+S - R+S - F+R

|                                     |  |                                     |  |                          |  |                                     |  |                                     |  |
|-------------------------------------|--|-------------------------------------|--|--------------------------|--|-------------------------------------|--|-------------------------------------|--|
| <input checked="" type="checkbox"/> |  | <input checked="" type="checkbox"/> |  | <input type="checkbox"/> |  | <input checked="" type="checkbox"/> |  | <input checked="" type="checkbox"/> |  |
|-------------------------------------|--|-------------------------------------|--|--------------------------|--|-------------------------------------|--|-------------------------------------|--|

| Characteristic                   | Test Method   | Unit   | Nominal Value | Tolerance |
|----------------------------------|---------------|--|---------------|-----------|
| Mass per unit area               | EN ISO 9864   | g/m <sup>2</sup>   | 300           | ± 10%     |
| Thickness                        | EN ISO 9863-1 | mm   | 1,40          | ± 20%     |
| Wide-Width Tensile Strength      | EN ISO 10319  | kN/m   | MD            | 2,00      |
|                                  |               |  | CMD           | 2,00      |
| Elongation                       | EN ISO 10319  | %  | MD            | 60        |
|                                  |               |  | CMD           | 80        |
| Static Puncture Resistance       | EN ISO 12236  | N  | 500           | -150      |
| Dynamic Perforation Test         | EN ISO 13433  | mm   | 30,00         | + 6,00    |
| Characteristic Opening Size      | EN ISO 12956  | µm   | 80            | ± 30      |
| Permeability normal to the Plane | EN ISO 11058  | m/s  | 0,058         | -0,017    |
| Long Term Protection Efficiency  | EN 13719      | %  | 300 kPa       | NR        |
|                                  |               |  | 600 kPa       | NR        |
|                                  |               |  | 1200 kPa      | NR        |
| Water Flow Capacity in the Plane | EN ISO 12958  | m <sup>2</sup> /s  | 20 kPa        | 2,00E-06  |
|                                  |               |  | 100 kPa       | 7,00E-07  |
|                                  |               |  | 200 kPa       | 4,00E-07  |
|                                  |               |  |               | -1,20E-07 |
| Durability                       | EN 12224      | To be covered within 1 day after installation. Predicted to be durable 5 years in natural soils with 4<ph<9 and soil temperature < 25 °C |               |           |
| Oxidation Resistance             | EN ISO 13438  | Residual Strength  | MD            | NR        |
|                                  |               |  | CMD           | NR        |
| Chemical Resistance              | EN 14030      | Residual Strength  | MD            | NR        |
|                                  |               |  | CMD           | NR        |
| Microbiological Resistance       | EN 12225      | Residual Strength  | MD            | NR        |
|                                  |               |  | CMD           | NR        |

MD : Machine Direction - CMD : Cross Machine Direction - NR : Not Required for application

TOLERANCE ON ROLL WIDTH: ± 3 cm. TOLERANCE ON ROLL LENGTH: ± 2% IF LENGTH ≤ 200 m, ± 1% IF LENGTH > 200 m. STANDARD CORES: PAPER, DIAMETER INNER 81mm / OUTER 89mm ± 5%. TOLERANCE ON GROSS/NET WEIGHT ± 5%. TECHNICAL DATA BASED ON STATISTIC ANALYSIS ON 95% CONFIDENCE LIMIT. PRESENT DATA SHEET CAN BE MODIFIED WITHOUT PRIOR NOTICE

| Issued    |     |
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| Date      | COM |
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| Verified  |     |
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| Date      | RCQ |
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| Approved  |     |
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