

TECHNICAL DATASHEET

GEOFELT PE-R 300



Non woven Geotextile manufactured from polyester fibers, only needlepunched.
Suitable for the following applications:

| | | | | | |
|-------------------------------------|--|---|-------------------------------------|--|---|
| <input checked="" type="checkbox"/> | | EN ISO 13249:2016 Characteristics required for use in the construction of roads and other trafficked areas. | <input checked="" type="checkbox"/> | | EN ISO 13250:2016 Characteristics required for use in the construction of railways. |
| <input checked="" type="checkbox"/> | | EN ISO 13251:2016 Characteristics required for use in earthworks, foundations and retaining structures. | <input checked="" type="checkbox"/> | | EN ISO 13252:2016 Characteristics required for use in drainage systems. |
| <input checked="" type="checkbox"/> | | EN ISO 13253:2016 Characteristics required for use in erosion control works (coastal protection, bank revetments). | <input checked="" type="checkbox"/> | | EN ISO 13254:2016 Characteristics required for use in the construction of reservoirs and dams. |
| <input checked="" type="checkbox"/> | | EN ISO 13255:2016 Characteristics required for use in the construction of canals. | <input checked="" type="checkbox"/> | | EN ISO 13256:2016 required for use in the construction of tunnels and underground structures. |
| <input checked="" type="checkbox"/> | | EN ISO 13257:2016 Characteristics required for use in solid waste disposal. | <input checked="" type="checkbox"/> | | EN ISO 13265:2016 Characteristics required for use in liquid waste containment projects. |

Functions:

| Characteristic | Test Method | Unit | Nominal Value | Tolerance |
|---|---|--|--|-------------------------------|
| Mass per unit area | EN ISO 9864 | g/m ² | 300 | -45 |
| Thickness | EN ISO 9863-1 | mm | 2 kPa 1,40 | -0,28 |
| Wide-Width tensile strength | EN ISO 10319 | kN/m | MD 3,00 CMD 3,00 DIAG NPD | -0,90 -0,90 NPD |
| Elongation | EN ISO 10319 | % | MD 50,00 CMD 65,00 DIAG NPD | -20 / +20 -20 / +20 NPD |
| Energy Index | EN ISO 10319 | kN/m | NPD | NPD |
| Static puncture resistance | EN ISO 12236 | N | 500 | -150 |
| Dynamic perforation test | EN ISO 13433 | mm | 40,0 | + 8,0 |
| Pyramidal puncture resistance | NF G 38019 | kN | NPD | NPD |
| Supported Pyramidal Puncture Resistance | EN 14574 | N | 150 | -30 |
| Characteristic opening size - O90 | EN ISO 12956 | µm | 70 | -30 / +30 |
| Permeability normal to the plane | EN ISO 11058 | m/s | 0,058 | -0,017 |
| Long term protection efficiency | EN 13719 | % | 300 kPa NPD 600 kPa NPD 1200 kPa NPD | NPD NPD NPD |
| Water flow capacity in the plane | EN ISO 12958 | m ² /s | 20 kPa - i=1 2,00E-06 100 kPa - i=1 NPD 200 kPa - i=1 NPD | -6,00E-07 NPD NPD |
| Durability prediction | EN 13249/57:2016, ANNEX B EN 13265:2016, ANNEX B | 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 | | |
| Chemical resistance | EN 14030 | Residual strength | MD CMD | NPD NPD |
| Microbiological resistance | EN 12225 | Residual strength | MD CMD | NPD NPD |

MD : Machine Direction - CMD : Cross Machine Direction - NPD: No performance determined / declared

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 71mm / OUTER 78mm ± 5%.

TECHNICAL DATA BASED ON STATISTIC ANALYSIS ON 95% CONFIDENCE LIMIT. PRESENT DATA SHEET CAN BE MODIFIED WITHOUT PRIOR NOTICE



Quality Management according to UNI EN ISO 9001:2008

The values given are indicative and correspond to average results obtained in our laboratories and independent testing institutes. The right is reserved to make changes without notice at any time.
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