

NorGeoSpec 2012 Product Certificate



Certificate no.: 0108-QC-1422

Manufacturer: JUTA a.s.

Raw material: PP

Date: 01.08.14

Product: geoNETEX NGS 4

Function: Separation and Filtration

Valid until: 31.07.16

Product Type: GTX-N

Quality Product Certification Separation and Filtration

| Characteristic | Standard | Unit | Declared value | Max. tolerance | Certification value | |
|------------------------------------|-----------------|------------------|--|-----------------------------|------------------------------|--------------|
| Mass per unit | EN ISO 9864 | g/m ² | 260 | ± 26 | 234 - 286 | |
| Mechanical tests | | | | | | |
| Tensile strength | MD | EN ISO 10319 | kN/m | 22.00 | - 2.20 | 20.70 |
| | CMD | EN ISO 10319 | kN/m | 24.00 | - 2.40 | |
| Elongation at max. load | MD | EN ISO 10319 | % | 45.0 | - 9.0 | 44.0 |
| | CMD | EN ISO 10319 | % | 65.0 | - 13.0 | |
| Static puncture test | EN ISO 12236 | kN | 4.000 | - 0.400 | 3.600 | |
| Dynamic perforation resistance | EN ISO 13433 | mm | 14 | + 4 | 18 | |
| Energy index | NorGeoSpec 2012 | kN/m | 4.5 | - | 4.5 | |
| Hydraulic tests | | | | | | |
| Velocity index | EN ISO 11058 | m/s | 0.018 | - 0.005 | 0.013 | |
| Characteristic opening size | EN ISO 12956 | µm | 60 | ± 18 | 42 - 78 | |
| Durability (Declared value) | | | | | | |
| Service life | | years | <input checked="" type="checkbox"/> 25 | <input type="checkbox"/> 50 | <input type="checkbox"/> 100 | |

Quality Product Specification

Separation and Filtration

Application profile: **4**

Issued by

Christian Recker, NorGeoSpec project manager

Approved by

Arnstein Watn, Head of the Technical committee



The products are regularly audited and tested to verify that the characteristics fulfil the NorGeoSpec requirements.
Approved by the NorGeoSpec Technical committee: 01.08.14