

DECLARATION OF PERFORMANCE

1071-CPR-7027

S18NW



1. Product style / 2. Product type:

3. Intended uses:

Intended for

- Roads and other trafficked areas
- Railways
- Earthworks, foundations and retaining structures
- Drainage control
- Erosion control works
- Reservoirs and dams
- Canals
- Solid waste disposals
- Liquid waste containments

Harmonized Technical Specification

- EN 13249:2016
- EN 13250:2016
- EN 13251:2016
- EN 13252:2016
- EN 13253:2016
- EN 13254:2016
- EN 13255:2016
- EN 13257:2016
- EN 13265:2016

Functions

- Filtration, Separation, Reinforcement
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- Filtration, Separation
- Filtration, Separation, Reinforcement

4. Registered name of the manufacturer:

THRACE NONWOVENS & GEOSYNTHETICS S.A.

5. Contact address:

Magiko, 671 00, Xanthi, Greece
Tel: +30 210 9875038-50, e-mail: geo@thraceplastics.gr

6. AVCP System:

System 2+

Last two digits of the year of affixing CE marking:

09

7. **SINTEF AS** (Notified Body 1071) performed the initial inspection of the manufacturing plant and of factory production control (FPC) and the continuous surveillance, assessment, and evaluation of the FPC and issued the certificate of factory production control.

8. Declared performance:

| Essential Characteristics | Declared Performance | | | | Harmonized Technical Specification |
|---|---|---------------------|-----------------|---------------|---|
| | Declared Value | Tolerance | Unit | Test Standard | |
| Tensile Strength T_{max} (MD/CD) | 18/18 | -2.5/-2.5 | kN/m | EN ISO 10319 | EN 13249:2016 EN 13250:2016 EN 13251:2016 EN 13252:2016 EN 13253:2016 EN 13254:2016 EN 13255:2016 EN 13257:2016 EN 13265:2016 |
| Elongation at maximum load ϵ_{max} (MD/CD) | 50/50 | $\pm 11.5/\pm 11.5$ | % | EN ISO 10319 | |
| Resistance to static puncture F_p (CBR test) | 2.9 | -0.435 | kN | EN ISO 12236 | |
| Dynamic Perforation resistance (Cone drop test) | 18 | +4.5 | mm | EN ISO 13433 | |
| Characteristic opening size O_{90} | 70 | ± 21 | μm | EN ISO 12956 | |
| Water flow velocity V_{H50} - 50mm head | 80 | -24 | 10^{-3} m/sec | EN ISO 11058 | |
| Weathering resistance | To be covered within two weeks after installation. | | | EN 12224 | |
| Oxidation resistance | Predicted to be durable for up to 100 years in natural soils with $4 \leq pH \leq 9$ and soil temperatures $\leq 25^\circ C$, based on a durability assessment. Minimum tensile strength after EN ISO 13438 procedure A is $\geq 50\%$ | | | EN ISO 13438 | |
| Dangerous substances | Less than required by national regulations in EU member states | | | | |

9. The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer:

Konstantinos Emmanouil - Quality Assurance Manager

(name and function)

Magiko, 21.11.2022

(place and date of issue)

(signature)

THRACE NONWOVENS & GEOSYNTHETICS S.A.

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