

# Datasheet

# Gauris EPDM

## Geomembrane

## About GAURIS

Gauris is all about liners. We think about liners. We live liners. We make everything watertight using liners. And we do that very well. The proof? We receive requests from across the world. It is usually custom work, as no two contracts are the same. Whether it is a swimming pond, water tank, waste heap, roof construction, or a swimming pool – no two projects are the same. They always involve bespoke work and demanding requirements. For the composition of the liner. For the strength.

For the shape. For the use and the required lifespan. For the appearance. For the colour. And for the way in which the liners are 'welded' to each other. After all, a liner is much more than just plastic on a roll. Much more.

### **Certified Quality**

Besides various Certificates, we are committed to quality and continuous improvement.

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# Gauris EPDM

## Geomembrane



Declaration of Performance, EN 13361 / EN 13362 / EN 13491 / EN 13492 / EN 15382

### PRODUCT DESCRIPTION

Gauris EPDM Geomembrane is a polymer geosynthetic made of vulcanized EPDM rubber. The membrane is calendered in two layers and is not armed. This gives it unique properties such as flexibility and elasticity.

### PRODUCT USE

Gauris EPDM Geomembrane is used as waterproofing of reservoirs and dams, of channels, as a liquid seal in tunnels and undergroundstructures, in the construction of landfills, transfer stations or reservoirs for liquid waste and for use in transport infrastructure.

### RELEVANT STANDARDS

|                                      |   |
|--------------------------------------|---|
| EN 13361 Seals made of geosynthetics | - Required properties for use in the construction of reservoirs and dams  |
| EN 13362 Seals made of geosynthetics | - Required properties for use in the construction of ducts  |
| EN 13491 Geo-plastic seals           | - Required properties for use as a liquid seal in tunnels and underground structures                                    |
| EN 13492 Seals made of geosynthetics | - Required properties for use in the construction of landfills, transfer stations or collection basins for liquid waste |
| EN 15382 Geosynthetic Seals          | - Required Properties for Use in Transport Infrastructure   |

DoP Number: Gauris EPDM Geomembrane-2016.01.011

Barrier type: GBR-P, Geosynthetic Barrier-Polymeric

Systems of attestation of conformity: 2+

Authority notified by government: 0958 SGS INTRON Certification B.V.

Certification number: 0958-CPR-2036/1

The year in which the CE marking was affixed: 2007

| PRODUCT DATA                              |                           |                                       |   |
|---|---------------------------|---------------------------------------|---|
| Properties                                | Test method               | Units                                 | Value   |
| Tensile strength                          | 12311-2                   | N/mm                                  | 2 9.0   |
| Static load                               | EN ISO 12236              | kN                                    | <1.0mm: NPD<br>1.0mm: 0.75<br>1.2mm: 0.90<br>1.5mm:1.13 |
| Water permeability                        | EN 14150                  | m <sup>3</sup> /(m <sup>2</sup> *day) | < 10 <sup>-6</sup>                                      |
| Weathering / UV resistance                | EN 12224                  | %                                     | Δ < 25  |
| Oxidation                                 | EN 14575                  | %                                     | Δ < 25  |
| Environmental voltage embrittlement (ESC) | EN 14576                  | -                                     | NPD1  |
| Hazardous substance                       | EU construction directive | -                                     | Not a hazardous substance                               |

NPD 1 = No Performance Determined. EN14576 = not relevant for rubber membranes with non-crystalline structure.

