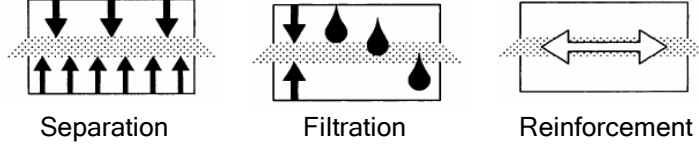


ISGT 105 x 105

Functions:



Application Areas:

| | | | |
|--|--|----------|----------------------------|
| Construction of roads and other trafficked areas | | EN 13249 | F, R, F+S, R+S, F+R, F+R+S |
| Construction of railways | | EN 13250 | F, R, F+S, R+S, F+R, F+R+S |
| Earthworks, foundations and retaining structures | | EN 13251 | F, R, F+S, R+S, F+R, F+R+S |
| Erosion control works | | EN 13253 | F+R, F+S, R+S, F+R+S |
| Construction of reservoirs, dams and canals | | EN 13254 | F, R, F+S, R+S, F+R, F+R+S |
| Construction canals | | EN 13255 | F, R, F+S, R+S, F+R, F+R+S |
| Solid waste disposals projects | | EN 13257 | F, R, F+S, R+S, F+R, F+R+S |
| Liquid waste containment projects | | EN 13265 | F, R, F+R |

Technical Properties:

| Mechanical Properties | | | | Values | Tolerances |
|--|----|--------------|------|----------------------|-----------------------|
| Tensile Strength | MD | EN-ISO 10319 | kN/m | 105 | -2 |
| | CD | | | 105 | -4 |
| Elongation | MD | EN-ISO 10319 | % | 15.6 | ± 2.0 |
| | CD | | | 10.4 | ± 0.8 |
| Dynamic Perforation | | EN-ISO 13433 | mm | 4.5 | +1.7 |
| Static Puncture (CBR) | | EN-ISO 12236 | kN | 11.3 | -0.7 |
| Hydraulic Properties | | | | | |
| Porometry, O ₉₀ | | EN-ISO 12956 | µm | 175 | ± 25 |
| Water Permeability | | EN-ISO 11058 | m/s | 5.0x10 ⁻³ | -1.5x10 ⁻³ |
| Durability | | | | | |
| Predicted to be durable for minimum of 25 years in natural soils with 4<pH<9 and soil temperature<25°C (ENV ISO 13438) | | | | | |
| To be covered within 30 days after installation (EN 12224). | | | | | |

| Physical Properties | | | | |
|-------------------------|---------------|------------------|-----------------------|--------|
| Width | | M | 5.2 | ± 0.01 |
| Weight | EN 965 | g/m ² | 482 | ± 7% |
| Thickness (under 2 kPa) | EN-ISO 9863-1 | mm | 1.3 | ± 0.15 |
| Packaging | | | | |
| Roll Width | | m | 1.3 / 2.6 / 3.9 / 5.2 | |
| Roll Length | | m | 100 | |

The property values listed above are subject to change without any notice.