



FIBRELOK G90

Standard Grade (SG) woven geotextile

G90 is a geotextile membrane manufactured from extruded slit film polypropylene tapes which are resistant to all naturally occurring soil acids and alkalis and unaffected by bacteria and fungi. It's woven construction delivers high tensile strength, making it particularly suitable for use in separation layers.

Applications for Fibrelok G90

- Separating/Strengthening – layer under access roads and areas of hard standing
- Separating/Reinforcing– layers under stone foundations for new buildings
- Separation/Reinforcing – layers under new roads, car parks & industrial areas
- Separation – granular fill from sub soils and other fill types

| Mechanical Properties | Test Method | Units | G90 |
|--|--------------|--------------------|------------------|
| Tensile Strength -MD | EN ISO 10319 | KN/m | 16 |
| Tensile Strength -XD | EN ISO 10319 | KN/m | 11 |
| Elongation at break - MD | EN ISO 10319 | KN/m | 20.0 |
| Elongation at break - XD | EN ISO 10319 | % | 19.0 |
| CBR Puncture Resistance | EN ISO 12236 | % | 1500 |
| Dynamic Cone Drop | EN ISO 13443 | mm | 18.0 |
| Hydraulic Properties | Test Method | Units | G90 |
| Opening Size (O ₉₀) | EN ISO 12956 | µm | 250 |
| Permeability vertical (V _{IH50}) | EN ISO 11058 | l/m ² s | 15 |
| Physical Properties | Test Method | Units | G90 |
| Weight | EN ISO 9864 | g/m ² | 70 |
| Roll Width | | m | 2.25m - 4.5m |
| Roll Length | | m | 25m - 50m - 100m |

1. Fibrelok Geosynthetics reserves the right to alter product specifications without prior notice.
2. It is the responsibility of all users to satisfy themselves that the above data is current.
3. The above figures are average values obtained from testing to current EN geotextile test standards.
4. Although not guaranteed, these results do to the best of our knowledge; offer a true and accurate record of the products performance.
5. Fibrelok Geosynthetics cannot accept responsibility for the performance of these products as the conditions of use are beyond our control.
6. Installation details are available on request.