

TECHNICAL DATASHEET

GP90S

PRODUCT DESCRIPTION

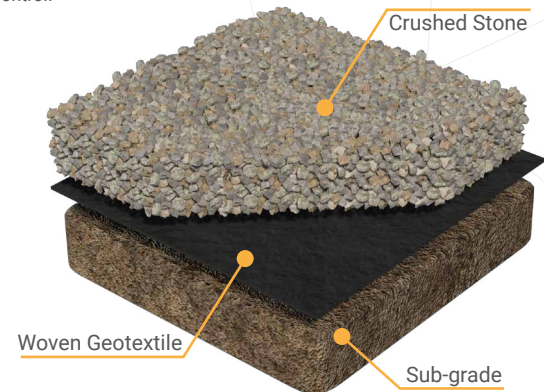
GP90S is a geotextile membrane manufactured from extruded slit film polypropylene tapes which are resistant to all naturally occurring soil acids and alkalis and unaffected by bacteria and fungi. It's woven construction delivers high tensile strength, making it particularly suitable for use in separation layers.



| MECHANICAL PROPERTIES | TEST METHOD | UNITS | GP90 |
|--|--|---------------------|-----------|
| TENSILE STRENGTH - MD | EN ISO 10319 | kN/m | 18 |
| TENSILE STRENGTH - XD | EN ISO 10319 | kN/m | 10 |
| ELONGATION AT BREAK - MD | EN ISO 10319 | % | 21 |
| ELONGATION AT BREAK - XD | EN ISO 10319 | % | 21 |
| CBR PUNCTURE RESISTANCE | EN ISO 12236 | N | 1500 |
| DYNAMIC PERFORATION RESISTANCE - CONE DROP | EN ISO 13433 | mm | 19 |
| PERMEABILITY NORMAL TO THE PLANE | EN ISO 12956 | l/m ² .s | 16 |
| CHARACTERISTIC OPENING SIZE 090 | EN ISO 12956 | µm | 300 |
| DURABILITY | Predicted to be durable for minimum of 25 years in natural soils with 4<pH <9pH and soil temperature <25°C, to be covered within two weeks of installation | | |
| ROLL SIZE | | m | 4.5 x 100 |

Also available in mini rolls and micro packs 2.25 x 50 m and 4.5 x 11 m respectively

1. TCS Geotechnics is a trading name of Technical Civils Solutions Ltd.
2. TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
3. It is the responsibility of all users to satisfy themselves that the above data is current.
4. The above figures are average values obtained from testing to current EN ISO standards.
5. TCS Ltd 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.



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