

TECHNICAL DATASHEET

SUPERFLEX 1000

PRODUCT DESCRIPTION

Unreinforced polypropylene geomembrane, suitable for a variety of applications, including attenuation ponds, permeable paving lining, pond and lake linings.

Available in roll form or in pre-fabricated panels up to 32m x 300m



| PROPERTIES | VALUES |
|--|-------------------------|
| PHYSICAL FORM | PP |
| THICKNESS (NOMINAL +/-10% (11) (ASTM D-5199) | 1mm |
| RESIN DENSITY (ASTM D-1505) | <0.89 g/cm ³ |
| CARBON BLACK CONTENT (ASTM D-4218) | 3.0% |
| CARBON BLACK DISPERSION (ASTM D-5596) | NOTE A |
| TENSILE PROPERTIES (ASTM D-6693) (TYPE IV:500mm min: lo = 50mm) | |
| STRENGTH AT BREAK | 17 N/mm |
| ELONGATION AT BREAK | 700% |
| TEAR RESISTANCE (ASTM D-1004) | 55 N |
| PUNCTURE RESISTANCE (ASTM D-4833) | 130 N |
| MULTI-AXIAL TENSILE (MIN) (ASTM D-5617) | 90% |
| REFERENCE PROPERTY | |
| MULTI-AXIAL STRAIN (ASTM D5617) | >120% |
| LOW TEMPERATURE BRITTLENESS (ASTM D2136) | < -40°C |
| SURFACE | DOUBLE-SIDED SMOOTH |

A) Dispersion only applies to near spherical agglomerates. 9 of 10 views shall be category 1 or 2. No more than 1 view from category 3.

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2. TCS Geotechnics Ltd reserves the right to alter product specifications without prior notice.
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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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