

TECHNICAL DATASHEET

SUPERFLEX 750

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)	0.75mm
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	12 N/mm
ELONGATION AT BREAK	700%
TEAR RESISTANCE (ASTM D-1004)	45 N
PUNCTURE RESISTANCE (ASTM D-4833)	110 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.
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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