

## ACETEX® PROTECT GT70/105 HIGH U.V. STABILITY PROTECTION GEOTEXTILE

### DESCRIPTION

ACETex Protect is a woven geotextile made from durable high tenacity polypropylene fibres. The product has been designed with high tensile strength and at moderate strain levels. The product has been manufactured with additional additives to create a durable cover fabric.

### APPLICATIONS

ACETex Protect is a woven geotextile that has been designed for specific applications requiring a well stabilised cover fabric to assist, in extended periods of exposure, against UV deterioration to underlying sub-layers.

Typical applications are in landfills, where a geomembrane may require the additional assistance of a sacrificial stable geotextile placed over the underlying geomembrane (primary containment layer) to assist against UV membrane deterioration until such time as the landfill waste reaches a level such that full and permanent cover is achieved.

Over 90% strength retention is achieved by ACETex Protect when tested in accordance with accelerated weathering tests - ASTM D4355. Global Synthetics are willing to assist you in determining the suitability of this product for your landfill project. Interface shear testing has been carried out against both smooth and textured geomembrane surfaces.

### MARV PROPERTIES

Mechanical Properties	Test Method	Units	MD	CD
Tensile Strength	ASTM D4595	kN/m	70	105
Elongation	ASTM D4595	%	8	8
Trapezoidal Tear Strength	ASTM D4533	N	800	1600
Static Puncture Resistance	ASTM D6241	N	9000	

U.V. Stability	Test Method	Units	MD	CD
Tensile Strength	ASTM D4355	% Strength Retained	90	

Hydraulic Properties	Test Method	Units	MD	CD
Permittivity	ASTM D4491	sec-1	0.4	
Flow Rate (50mm Head)	ASTM D4491	l / min / m <sup>2</sup>	1200	
Apparent Opening Size (O <sub>95</sub> )	ASTM D4751	mm	≤ 0.425	

Roll Properties	Test Method	Units
Roll Width	m	4.57
Roll Length	m	50

Note:

1. The values are MARV obtained during production and from independent testing.
2. MD and CD refer to values obtained in the machine direction (roll length) and cross machine direction (cross roll).
3. ACETex® is a registered trademark of Global Synthetics Pty Ltd.
4. Apparent opening size is a MaxARV maximum value.

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