

# Technical data sheet

## SIGA- Majrex®



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**Distributor:** SIGA Cover, Inc.

**Type of application:** Hygrobrid® + moisture variable vapour control layer for permanently airtight building envelopes for roof, wall and ceiling structures

**Instructions:** see manual

**Packaging unit:** 30 rolls bound in layers

**Construction:** modified PE / PA with PET fibres reinforced

### Characteristics:

		Standards	Units	Values
<b>Dimensions</b>	length	EN 1848-2	ft	164
	width	EN 1848-2	ft	4.9
	straightness	EN 1848-2	-	passed
<b>Area-related mass</b>		EN 1849-2	oz/ft <sup>2</sup>	0.49
<b>Effective thickness</b>		EN 1849-2	mils	12
<b>Tear resistance (nail shank)*</b>	lengthwise crosswise	EN 12310-1	N	>110 (140) >120 (135)
<b>Tensile properties: Maximum tensile strength*</b>	lengthwise crosswise	EN 12311-1	N/50mm	> 270 (310) > 210 (260)
<b>Tensile properties: Elongation at maximum tensile strength*</b>	lengthwise crosswise	EN 12311-1	%	> 20 (35) > 20 (35)
<b>Direction 1 Water Vapor variability</b>		ASTM E96 (dry cup/wet cup)	US perm	0.17 perm to 3.8 perm
<b>Direction 2 Water Vapor variability</b>		ASTM E96 (dry cup/wet cup)	US perm	0.16 perm to 1.3 perm
<b>Dynamic diffusion-equivalent air layer thickness</b>		ISO 12572	US perm	<0.097 - ≥4.25
<b>Air permeance</b>		ASTM E 2178	cfm/ft <sup>2</sup> @1.57 psf L/m <sup>2</sup> s @ 75 Pa	0.00002 0.0001
<b>Durability of water vapour permeability resistance against artificial ageing</b>		EN 1296 Gem. EN 1931		passed
<b>Resistance to water penetration</b>		EN 1928	-	W1
<b>Flame spread index (rating)</b>		ASTM E-84	Index	0 (class A)
<b>Smoke developed index (rating)</b>		ASTM E-84	Index	55 (class A)
<b>Temperature resistance</b>			°F °C	-40°F to +176°F -40°C to +80°C

\*average