

# Technical data sheet

## SIGA- Majrex®



**Updated on:** January 16, 2019

**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

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

### Characteristics:

Property		Standards	Units	Values
<b>Dimensions</b>	length / width / straightness	EN 1848-2	m / m / - feet / feet / -	50 / 1.5 / pass 164 / 4.9 / Pass
<b>Area-related mass</b>		EN 1849-2	oz/ft <sup>2</sup> g/m <sup>2</sup>	0.49 148
<b>Thickness</b>		EN 1849-2	mils mm	12 0.3
<b>Temperature resistance</b>			°F °C	-40°F to +176°F -40°C to +80°C
<b>Tensile Strength</b>	MD CD	ASTM D882	lbs/in (N/mm)	34.9 (6.1) 27.2 (4.8)
<b>Tensile properties: Maximum tensile strength*</b>	MD CD	EN 12311- 1	N/50mm	> 270 (310) > 210 (260)
<b>Tensile properties: Elongation at maximum tensile strength*</b>	MD CD	EN 12311- 1	%	> 20 (35) > 20 (35)
<b>Pliability</b>		CAN/CGSB 51.33-M89		Pass
<b>Direction 1 Water Vapor variability</b>		ASTM E96 (dry cup to wet cup)	US Perms (Ng/Pa.m <sup>2</sup> . s)	0.17 (9.7) to 3.8 (217.4)
<b>Direction 2 Water Vapor variability</b>		ASTM E96 (dry cup to wet cup)	US Perms (Ng/Pa.m <sup>2</sup> . s)	0.16 (9.2) to 1.3 (74.4)
<b>Dynamic diffusion-equivalent air layer thickness</b>		ISO 12572	US Perms	<0.097 - ≥4.25

<b>Air permeance</b>		ASTM E2178	< 0.004 cfm/ft <sup>2</sup> @1.57 psf(< 0.02 L/s·m <sup>2</sup> @ 75 Pa)	Pass
<b>Durability of water vapour permeability resistance against artificial ageing</b>		EN 1296 Gem. EN 1931		Pass
<b>Resistance to water penetration</b>		EN 1928	-	W1
<b>Flame spread index (rating)</b>		ASTM E84	Index (rating)	0 (class A)
<b>Smoke developed index (rating)</b>		ASTM E84	Index (rating)	55 (class A)

\*average