

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

Composition: modified PE / PA with PET fibres reinforced

Characteristics:

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

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

*average