

2lb. Closed Cell Medium Density Foam Comparison Physical Properties

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Properties	Test Method/ Requirements	Value	Value	Value	Value	Value
Trade Name:	n/a	Heatlok™ SOYA Airmétic™ SOYA	Polarfoam® SOYA	Boreal™	Boreal™	Foam-Lok™ 2000
CCMC:	n/a	13244-L	13244-L	14025-L	14025-L	13414-L
Foam Colour:	n/a	Green	Peach	Lilac	Lime Green	Orange
Manufacturer:	n/a	Demilec	Demilec	Genyk	Genyk	Lapolla
CUFCA Approved:	n/a	Yes	Yes	Yes	Yes	Yes
Foam Type:	CAN/ULC S-705.1	Type 2	Type 2	Type 2	Type 2	Type 1
LTTR R-Value (R/50 mm) (RSI/50mm):	ULC S-770	11.5 (2.02)	11.50 (2.02)	11.53 (2.03)	11.53 (2.03)	10.80 (1.90)
Compressive Strength - kPa (psi):	ASTM D-1621	195 (28.3)	195 (28.3)	201 (29.2)	201 (29.2)	170 (24.6)
Apparent Core Density - kg/m ³ (lb/ft ³):	ASTM D-1622	33 (2.06)	33 (2.06)	33.6 (2.09)	33.6 (2.09)	36.7 (2.29)
Open Cell Content (%):	ASTM D-6226	< 1	< 1	1.23	1.23	8.0
Tensile Strength - kPa (psi):	ASTM D-1623	355 (51.5)	355 (51.5)	217 (31.5)	217 (31.5)	258 (37.42)
Water Vapour Permeance ng/Pa.s.m ² (gr/h•ft•in.Hg):	ASTM E-96 @50mm (core sample)	37 (0.65)	37 (0.65)	45 (0.78)	45 (0.78)	53 (0.78)
Dimensional Stability: 28 days @ 70°C, 97% RH:	ASTM D-2126 15% max by volume change	9.8	9.8	4.1	4.1	-0.5
Flame Spread Classification:	CAN ULC S-102	200	200	375	375	289
Fungi Resistance:	ASTM C-1338	Does not support fungal growth	Does not support fungal growth	Does not support fungal growth	Does not support fungal growth	Does not support fungal growth
Water Absorption by Volume (%):	ASTM D-2842	0.8	0.8	1.74	1.74	0.7
Field QAP Provider:	n/a	CUFCA	CUFCA	CUFCA	CUFCA	CUFCA
Field QAP Contact:	n/a	1-866-GO-SPRAY	1-866-GO-SPRAY	1-866-GO-SPRAY	1-866-GO-SPRAY	1-866-GO-SPRAY
Time to occupy (hrs):	n/a	24	24	24	24	24

NOTES:

CUFCA has taken information provided by test results and the above manufacturers data sheets in order to provide a concise comparison on key data points. Please consult the manufacturers data sheets for further information and specifications.

Airmétic™ SOYA is the same product as HEATLOK™ SOYA. Airmétic™ SOYA is marketed in Quebec.

R-Values: We have listed the LTTR (Long Term Thermal Resistance) measurement as this should be the standard measurement used in design.

VOC Time to Occupy: The VOC Time to occupy for above CCMC certified foams is no greater than 24 hours. Unrated foams are not tested.

Data provided here is accurate at time of printing and may be subject to future revision should new tests be completed or updated. (01/01/16)

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