



# UNIFOAM®



EPS PHYSICAL PROPERTIES	ASTM TEST METHOD	ULC S701 TYPE 1 REQUIREMENTS	RESULTS	ULC S701 TYPE 2 REQUIREMENTS	RESULTS	ULC S701 TYPE 2 REQUIREMENTS	RESULTS TYPE 2 HD
Thermal resistance 1 in (25mm) hr·°F·pi2/BTU (m2·°C/W)	C-518	Min : 3,7 Min : (0,65)	<b>3,87</b> <b>(0,68)</b>	Min : 4,0 Min : (0,70)	<b>4,0</b> <b>(0,70)</b>	Min : 4,0 Min : (0,70)	<b>4,15</b> <b>(0,73)</b>
Water vapour permeability Perm. (ng/Pa·s·m2)	E-96	Max : 5,3 Max : (300)	<b>3,67</b> <b>(208)</b>	Max : 3,5 Max : (200)	<b>2,35</b> <b>(133)</b>	Max : 3,5 Max : (200)	<b>2,01</b> <b>(115)</b>
Dimensional stability (%)	D-2126	Max : 1,5	<b>0,17</b>	Max : 1,5	<b>0,28</b>	Max : 1,5	<b>0,10</b>
Flexural strenght lb/po2 (kPa)	C-203	Min : 25 Min : (170)	<b>61</b> <b>(414)</b>	Min : 35 Min : (240)	<b>72</b> <b>(497)</b>	Min : 35 Min : (240)	<b>48</b> <b>(326)</b>
Water absorption (%)	D-2842	Max : 6,0	<b>4,1</b>	Max : 4,0	<b>1,7</b>	Max : 4,0	<b>1,7</b>
Compressvie properties lb/po2 (kPa)	D-1621	Min : 10 Min : (70)	<b>13</b> <b>(95)</b>	Min : 16 Min : (110)	<b>18</b> <b>(124)</b>	Min : 16 Min : (110)	<b>27</b> <b>(191)</b>
Limiting oxygen index (%)	D-2863	Min : 24	<b>44</b>	Min : 24	<b>42</b>	Min : 24	<b>42</b>

The maximum continuous service temperature °F (°C) is 167 (75). The maximum intermittent service temperature °F (°C) is 180 (82,2).  
The coefficient of thermal expansion in/in/°F (mm/mm/°C) is 3,5 x 10-5 (6 x 10-5c-1) as per ASTM D-696 method.

## AVAILABLE SIZES

Standard dimensions of :

- 2 ft x 4 ft (610mm x 1219mm)
- 4 ft x 4 ft (1219mm x 1219mm)
- 2 ft x 8 ft (610mm x 2438mm)
- 4 ft x 8 ft (1219mm x 2438mm)

Other dimensions and densities available upon request.

### ISO 9001:2015

Certified quality management system ISO 9001-2015.



The expanded polystyrene used for UNIFOAM® boards is Warnock Hersey (WH) certified according to the ULC S701 standard.

### Warning

Flammable: interior applications require a protective barrier.

All installations must comply with the National Building Code. The information and suggestions contained in this brochure are provided solely for informational purposes and are affected in a spirit of collaborations. To our knowledge, we believe the information presented can be considered reliable. This brochure shall not constitute, in any case, a REPRESENTATION or a WARRANTY either EXPRESS or IMPLIED, either in terms of the information, data and suggestions included or with respect to the absence or violation of any patent or other rights of third parties. Any proposed applications must be evaluated beforehand according to the application context and must, as a result, be adapted or modified to suit local conditions and materials if necessary.

# Polyform

INSULATING SOLUTIONS



Polyform by Polymos Inc | 454, Edouard Street, Granby, QC J2G 3Z3  
1.800.463.8378 | Phone : 450.378.9093 | info@polymos.com | www.polyform.com