

HOT WIRE CUT EXPANDED POLYSTYRENE (EPS)

TECHNICAL DATA SHEET

| Physical Properties | ASTM Testing | ULC S701 Standard | Type 1 Results | ULC S701 Standard | Type 2 Results | ULC S701 Standard | Type 3 Results |
|---|--------------|-------------------------|----------------|-------------------------|----------------|-------------------------|----------------|
| Thermal Resistance 1 in. (25mm) hr-°F-ft ² /BTU (m ² ·°C/W) | C-518 | Min: 3,7 Min: (0,65) | 3,87 (0,68) | Min: 4,0 Min: (0,70) | 4,00 (0,70) | Min: 4,2 Min: (0,74) | 4,26 (0,75) |
| Water Vapour Permeability Perm. (ng/Pa·s·m ²) | E-96 | Max: 5,3 Max: (300) | 3,67 (208) | Max: 3,5 Max: (200) | 2,35 (133) | Max: 2,25 Max: (130) | 1,07 (62) |
| Dimensional Stability (%) | D-2126 | Max: 1,5 | 0,17 | Max: 1,5 | 0,28 | Max: 1,5 | 0,7 |
| Flexural Strength lb/in ² (kPa) | C-203 | Min: 25 Min: (170) | 61 (414) | Min: 35 Min: (240) | 72 (497) | Min: 43,6 Min: (300) | 69 (475) |
| Water Absorption (%) | D-2842 | Max: 6,0 | 4,1 | Max: 4,0 | 1,7 | Max: 2,0 | 0,9 |
| Compressive Properties lb/in ² (kPa) | D-1621 | Min: 10 Min: (70) | 13 (95) | Min: 16 Min: (110) | 18 (124) | Min: 20 Min: (140) | 33 (229) |
| Limiting Oxygen Index (%) | D-2863 | Min: 24 | 44 | Min: 24 | 42 | Min: 24 | 32 |

ISO 9001:2015

Certified quality management system ISO 9001:2015



Warnock Hershey (WHI) certified according to **ULC S701** standard.

Polyform has been a leader in the plastics industry for over 50 years. The company has developed a great expertise in working with various raw materials. To learn more about technical data or other available materials, do not hesitate to contact your representative or our team at : sales@polyform.com.



POLYFORM
INDUSTRIAL

Polyform Cellular Plastics inc. | 454 Edouard Street, Granby, QC J2G 3Z3 | **1.800.463.8378**
Phone: 450.378.9093 | Fax: 450.378.3096 | info@polyform.com | www.polyform.com