# POLYROC®

## TECHNICAL DATA SHEET

UNIFOAM® 20

| EPS Physical Properties | ASTM Test Method | ULC S701 Type 2 |
|---|---|---|
| Thermal resistance 1 in (25mm) hr·°F·pi²/BTU (m²·°C/W) | C-518 | **Min : 4,0** **Min : (0,70)** |
| Water vapour permeability US Perm. (ng/Pa·s·m²) | E-96 | **Max : 3,5** **Max : (200)** |
| Dimensional stability (%) | D-2126 | **Max : 1,5** |
| Flexural strength lb/in² (kPa) | C-203 | **Min : 35** **Min : (240)** |
| Water absorption (%) | D-2842 | **Max : 4,0** |
| Compressive properties lb/in² (kPa) | D-1621 | **Min : 16** **Min : (110)** |
| Limiting oxygen index (%) | D-2863 | **Min : 24** |
| 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

21'' X 48'' (534mm x 1220mm)

| Panel thicknesses: | Polystyrene thicknesses: |
|---|---|
| 2 1/4'' (58mm) | 2'' (51mm) R-8 |
| 2 3/4'' (70mm) | 2 1/2'' (64mm) R-10 |
| 3 1/4'' (83mm) | 3'' (77mm) R-12 |
| or 4'' (102mm) | 3 3/4'' (95mm) R-15 |

Other dimensions and densities are available on request.

**ISO 9001:2015**
Certified quality management system ISO 9001:2015.

Intertek

The expanded polystyrene used to manufacture POLYROC® is Intertek certified (ETL Listed) in accordance with **ULC S701.**

**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 offered in a spirit of collaboration. 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.