



| LAST-A-FOAM® R-3318 RIGID POLYURETHANE FOAM | | | |
|---|-----------------------|-----------------------|--------------------------------------|
| Property | English | Metric | Test Method |
| Density (pcf) (kg/m ³) | 18 | 288 | ASTM D-1622 |
| Compressive Strength (psi) (kPa) | | | ASTM-D-1621 |
| Parallel to Rise | | | |
| @ 75°F | 967 | 6667 | |
| @ 200°F | 542 | 3737 | |
| Perpendicular to Rise | | | |
| @ 75°F | 1037 | 7150 | |
| @ 200°F | 592 | 4082 | |
| Compressive Modulus (psi) (kPa) | | | ASTM-D-1621 |
| Parallel to Rise | | | |
| @ 75°F | 25207 | 173802 | |
| @ 200°F | 16852 | 116195 | |
| Perpendicular to Rise | | | |
| @ 75°F | 27409 | 188985 | |
| @ 200°F | 18052 | 124469 | |
| Tensile Strength (psi) (kPa) | | | ASTM D-1623 Type A Specimens |
| Perpendicular to Rise | 816 | 5626 | |
| Shear Strength (psi) (kPa) | | | ASTM C-273 |
| Rise Parallel to Specimen Thick. | 279 | 1924 | |
| Shear Modulus (psi) (kPa) | | | ASTM C-273 |
| Rise Parallel to Specimen Thick. | 2431 | 16762 | |
| Flexural Strength (psi) (kPa) | | | ASTM D-790 Method 1-A |
| Rise Parallel to Specimen Width | 1217 | 8391 | |
| Rise Parallel to Beam Thick. | 1197 | 8253 | |
| Flexural Modulus (psi) (kPa) | | | ASTM D-790 Method 1-A |
| Rise Parallel to Specimen Width | 34803 | 239967 | |
| Rise Parallel to Beam Thick. | 34817 | 240063 | |
| CTE (in/in-°F) (m/m-K) | 32 x 10 ⁻⁶ | 58 x 10 ⁻⁶ | From -50 to +200°F, GP Method |
| Closed Cell Content (%) | 98 | 98 | ASTM D-6226 |
| Thermal Conductivity (BTU*in/ft ² *°F*h) [(W/m*K)] | 0.320 | 0.046 | ASTM C-518 at 75°F (24°C) mean temp. |
| Hardness, Shore-D (cut foam surface) | 37 | 37 | ASTM D-2240 |
| Tumbling Friability (% Weight Loss) | 1.2 | 1.2 | ASTM C-421 (20 minutes @ 60 rpm) |
| Glass Transition, Tg (°F) (°C) | 263 | 128 | ASTM E-1824 |
| Hydrostatic Performance (% Wt Gain @ 300psi) | <5% Wt Gain | <5% Wt Gain | GP Method |

Values shown are average values determined from laboratory tests.

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