

## PORON<sup>®</sup> 4701-30 Very Soft (Unsupported)

Based on Global Test Methods

| PROPERTY  | TEST METHOD   | TYPICAL VALUE   |              |              |
|---|---|-----------------|--------------|--------------|
| <b>PHYSICAL</b>                                   |   |                 |              |              |
| Density, kg/m <sup>3</sup> (lb./ft <sup>3</sup> ) | ASTM D3574-95, Test A   | 240 (15)        | 320 (20)     | 400 (25)     |
| Tolerance, %                                      |   | ± 10            |              |              |
| Thickness, mm (inches)                            |   | 4.78 (0.188)    |              |              |
|   |   | 6.35 (0.250)    | 1.57 (0.062) | 0.79 (0.031) |
|   |   | 9.53 (0.375)    | 2.36 (0.093) | 0.89 (0.035) |
|   |   | 12.7 (0.500)    | 3.18 (0.125) | 1.14 (0.045) |
| Tolerance, %                                      |   | ± 10            | ± 10         | ± 15         |
| Standard Color (Code)                             |   | Black (04)      |              |              |
| Compression Force Deflection, kPa (psi)           | ISO 6916-1<br>30mm/min Strain Rate<br>Force Measured @ 25% Deflection | 24 (4)          | 50 (7)       | 69 (10)      |
| Compression Set, % max                            | ISO 1856 Test A @ 70°C (158°F)  | 0.7             | 1.2          | 1.5          |
| Dimensional Stability, % max change               | 24 hrs @ 80°C (176°F)<br>in a Forced-Air Oven                         | ± 1             |              |              |
| <b>ELECTRICAL</b>                                 |   |                 |              |              |
| Dielectric Strength, kV/mm                        | IEC 243-1   | 1.9             | 2.6          | 2.9          |
| Volume Resistivity, ohm-cm                        | IEC 60093   | 4.21E +12       | 5.75E +12    | 2.63E +13    |
| Surface Resistivity, ohm/sq                       | IEC 60093   | 1.21E +13       | 1.13E +13    | 1.77E +13    |
| <b>TEMPERATURE RESISTANCE</b>                     |   |                 |              |              |
| Recommended Constant Use, max.                    | UL 157  | 90°C (194°F)    |              |              |
| Recommended Intermittent Use, max.                | UL 157  | 121°C (249.8°F) |              |              |
| Embrittlement                                     | ISO 974 (E)   | -55°C (-67°F)   |              |              |

| PROPERTY                           | TEST METHOD  | TYPICAL VALUE      |                    |              |
|------------------------------------|--|--------------------|--------------------|--------------|
| <b>FLAMMABILITY AND OUTGASSING</b> |  | 240 (15)           | 320 (20)           | 400 (25)     |
| Flammability, mm (inches)          | UL 94HBF <sup>†</sup> (File E20305)<br>Min. Thickness Passed, mm (in)            | 4.78 (0.188)       | 2.36 (0.093)       | -            |
|                                    | ISO 3795, DIN 75200<br>Min. Thickness Passed, mm (in)<br>Max. Burn Rate (mm/min) | 4.78 (0.188)<br>36 | 1.57 (0.062)<br>98 | -            |
|                                    | FMVSS 302 (Pass ≥)<br>Min. Thickness Passed, mm (in)                             | 4.78 (0.188)       | 1.57 (0.062)       | 1.57 (0.062) |
| Fogging                            | ISO 6452, DIN 75201  | PASS               | PASS               | PASS         |
| <b>ENVIRONMENTAL</b>               |  |                    |                    |              |
| Gasketing & Sealing                | UL JMST2 (Consisting of UL50 & UL508)  | File MH15464       |                    |              |

Notes:

<sup>†</sup>Designed to meet UL 94 HBF based upon 2022 test criteria. As of 2023 items with spec range  $\geq 15.6 \text{ lb/ft}^3$  (250kg/m<sup>3</sup>) are no longer eligible to be tested for UL 94 HBF but remain equivalent.

- - Represents testing not available at this time.
- All metric conversions are approximate.
- Additional technical information is available.
- Typical values should not be used for specification limits.

To order PORON materials, please contact our Sales Specialists at 860.928.3622 or via email at EMS\_CT\_cust\_serv@rogerscorporation.com