Product Data Sheet

# PORON® AquaPro® Family Formulation 37

| PROPERTY | TEST METHOD | VALUE |
|---|---|---|
| **PHYSICAL** | | |
| Density, kg/m³ (lb./ft³) | ASTM D 3574-95, Test A | 224 (14) |
| Tolerance, kg/m³ (lb./ft³) | | ± 32 (2) |
| Thickness, mm (inches) | ASTM D 3574-95, Test A | 1.5 - 12.7 (0.059 - 0.500) |
| Tolerance, % | | ± 10 |
| Standard Color (Code) | | Black (04) |
| Compression Force Deflection, kPa (psi) | 0.51 cm/min (0.2"/min) Strain Rate Force Measured @ 25% Deflection | 24 - 59 (3.5 - 8.5) |
| Compression Set, % max After 24 Hour Recovery | ASTM D3574-95 Test D @ 70°C (158°F) | 10 |
| Tensile Strength, min. kPa (psi) | ASTM D3574 Test E | 248 (36) |
| Tensile Elongation, % min. | ASTM D3574 Test E | 150 |
| Tear Strength , min. kN/m, (pli) | ASTM D264 Die C | 0.96 (5.5) |
| **TEMPERATURE RESISTANCE** | | |
| Recommended Constant Use, max. | SAE J-2236 | 90°C (194°F) |
| Recommended Intermittent Use, max. | UL 157 | 121°C (250°F) |
| Embrittlement | ASTM D746 | -42°C (-44°F) |
| Cold Flexibility | GMW3154 (Conical Mandrel Bend Test) | No Cracking |

| PROPERTY | TEST METHOD | VALUE |
|---|---|---|
| **FLAMMABILITY & OUTGASSING** | | |
| Flammability, mm (inches) | UL 94HBF‡ ( Pass ≥)<br>FMVSS 302 (Pass ≥)<br>GMW3232 (Pass≥) | 3.0 (0.118)<br>3.0 (0.118)<br>3.0 (0.118) |
| Fogging | SAE J-1756 3 hrs @ 100°C (212°F) | No Fogging |
| Outgassing, Total Mass Loss (TML) % | ASTM E595 24 hrs @ 125°C (257°F) @ <7 x $10^3$ Pa | 0.81 |
| Outgassing, Collected Volatile Condensable Materials (CVCM) % | | 0.02 |
| Outgassing, Water Vapor Regain (WVR) % | | 0.49 |
| **ENVIRONMENTAL** | | |
| Gasketing and Sealing | UL JMST2 (Consisting of UL50 & UL508)<br>CAN/CSA-C22.2 No. 94-M91 | File MH15464 |
| Moisture Absorption, High Humidity Exposure, % Weight Gain | AMS 3568 | 1.1 |
| Water Absorption, Vacuum Exposure, % Weight Gain | ASTM D1056 | 5 |
| UV Resistance, ΔE % Gloss Change | ASTM G154/SAE J1545 | 2.8 - 63 |
| Ozone Resistance | ISO 1431-1 | No cracks or other indication of material breakdown. |
| Corrosion Resistance | AMS 3568 | 6 |
| Mildew Resistance | GMW 3259 | No visual evidence of growth.<br>No odor. |

Notes:

‡Designed to meet UL 94 HBF based upon 2022 test criteria. As of 2023 items with nominal density ≥ 15.6lb/ft$^3$ (250kg/m$^3$) are no longer eligible to be tested for UL 94 HBF but remain equivalent.

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

For more information and to request a sample, please contact our team of experts at solutions@rogerscorp.com