

PORON® VXT™ 4701-70-16xxx-121-59T-16.4LF (LR55) – Data Sheet

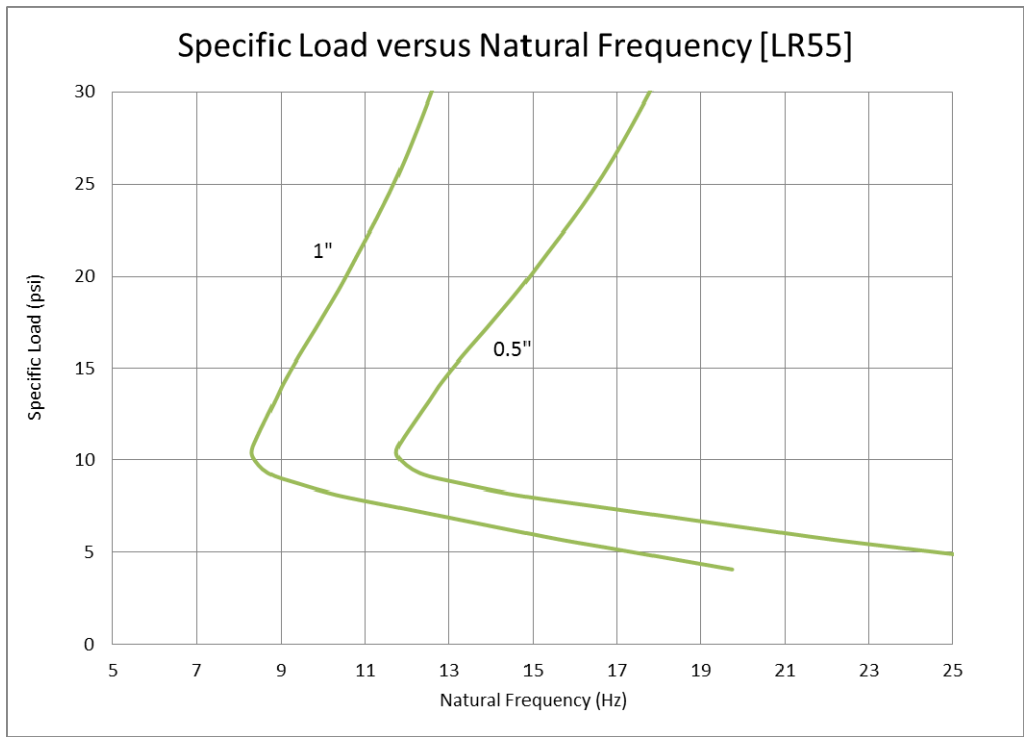
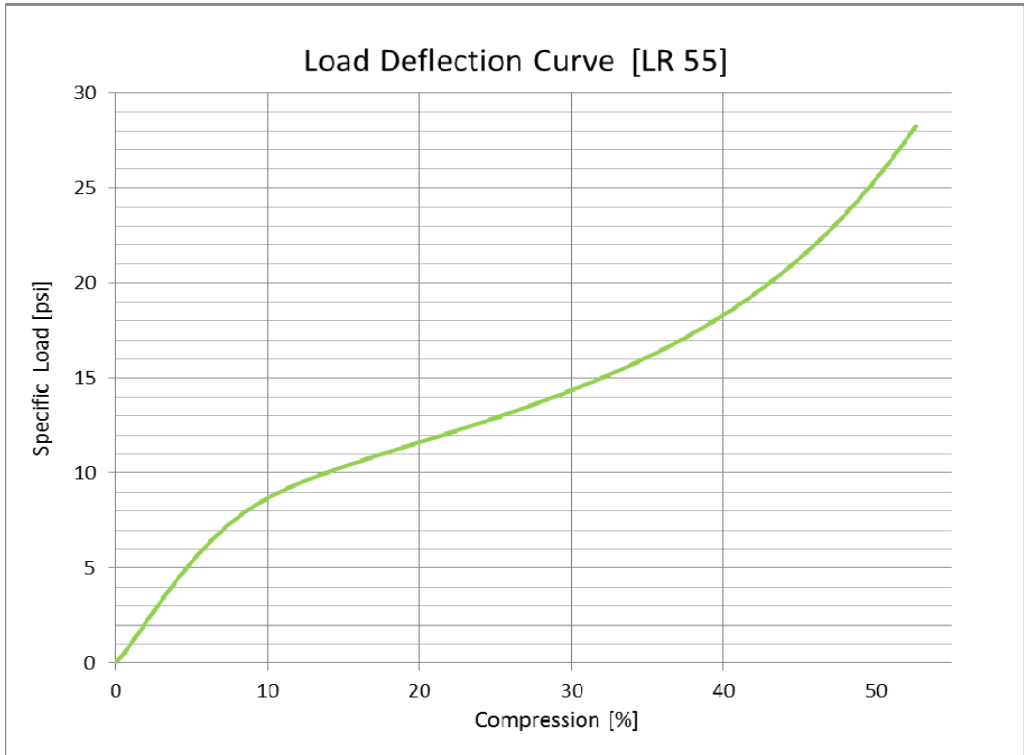
| PROPERTY | TEST METHOD | VALUE |
|--|--|--|
| PHYSICAL | | |
| Density, kg /m ³ (lb. / ft ³) Tolerance, kg /m ³ (lb. / ft ³) | ASTM D 3574-95, Test A | 263 (16.4) ± 10 (0.63) |
| Thickness, mm (inches) Tolerance, % | | 12.5 (0.492) 25 (0.984) ± 10 |
| Standard Color (Code) | | Green (121) |
| Compression Force Deflection, kPa (psi) Typical kPa (psi) | 0.51 cm/min (0.2" / min). Strain Rate Force Measured @ 25% Deflection | 83 - 110 (12 - 16) 97 (14) |
| Hardness, Durometer, Shore "OO", typical | ASTM D 2240-97 | 63 |
| Compression Set, % max. | ASTM D 3574-95 Test D @ 70°C (158°F) | 15 |
| Resilience by Vertical Rebound, %, typical | ASTM D 2632-96 | 58 |
| Dimensional Stability, % max. change | 22 hrs @ 80°C (176°F) in a forced-air oven | ± 3 |
| Tensile Strength, kPa (psi), typical | ASTM D 3574-75 Test E | 1055 (153) |
| Tensile Elongation, % typical | ASTM D 3574-75 Test E | 390 |
| Tear Strength, kN/m (pli), typical | ASTM D 264-91 Die C | 6.8 (38.5) |
| ELECTRICAL AND THERMAL | | |
| Dielectric Strength, kV/m (volts/mil) | ASTM D 149-97a | 1260 (32) |
| Coefficient of Thermal Expansion | | 2.3-3.1 x 10 ⁻⁴ in./in./°C (1.3-1.7 x10 ⁻⁴ in./in./°F) |
| TEMPERATURE RESISTANCE | | |
| Recommended Constant Use, max. | Rogers Internal Method | 90°C (194°F) |
| Recommended Intermittent Use, max. | Rogers Internal Method | 121°C (250°F) |
| Embrittlement | ASTM D 746-98 | -20°C (-4°F) |
| ENVIRONMENTAL | | |
| Water Absorption, Immersion Testing, % weight gain, typical | ASTM D 570-95 | 9.5 |

These materials are unsupported and should be processed with the knowledge that stretching of die-cut parts can occur when material has not been relaxed.

Notes:

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

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