

PORON® VXT™ 4701-70-13xxx-119-59T-RR-16.4LF (LR28)

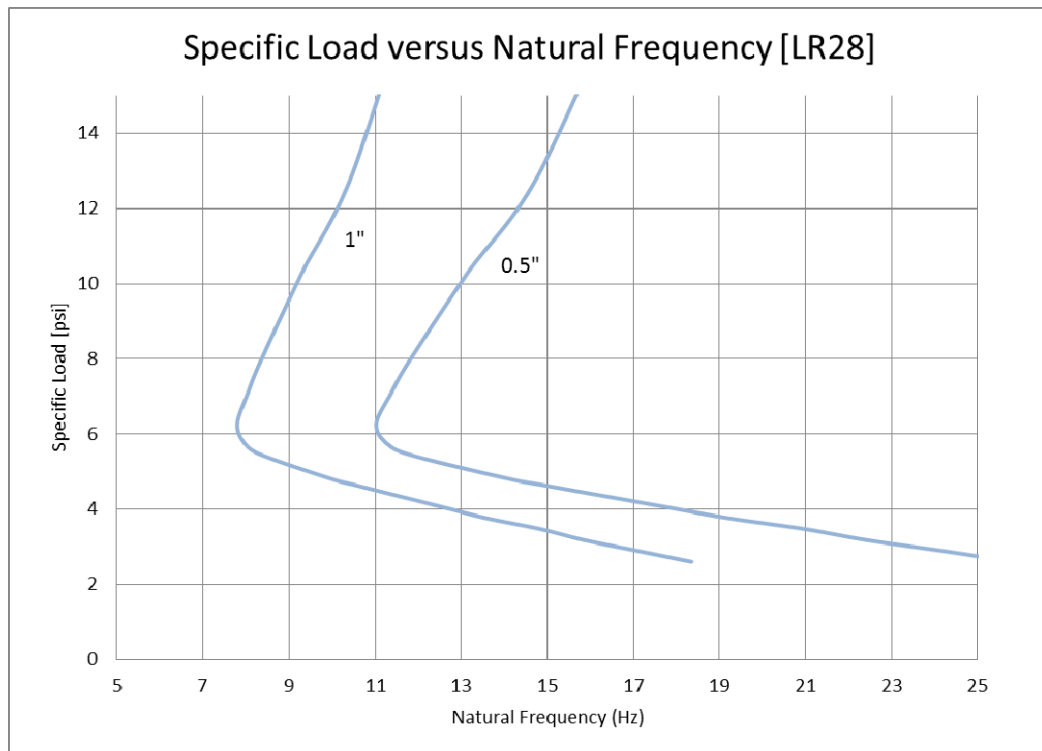
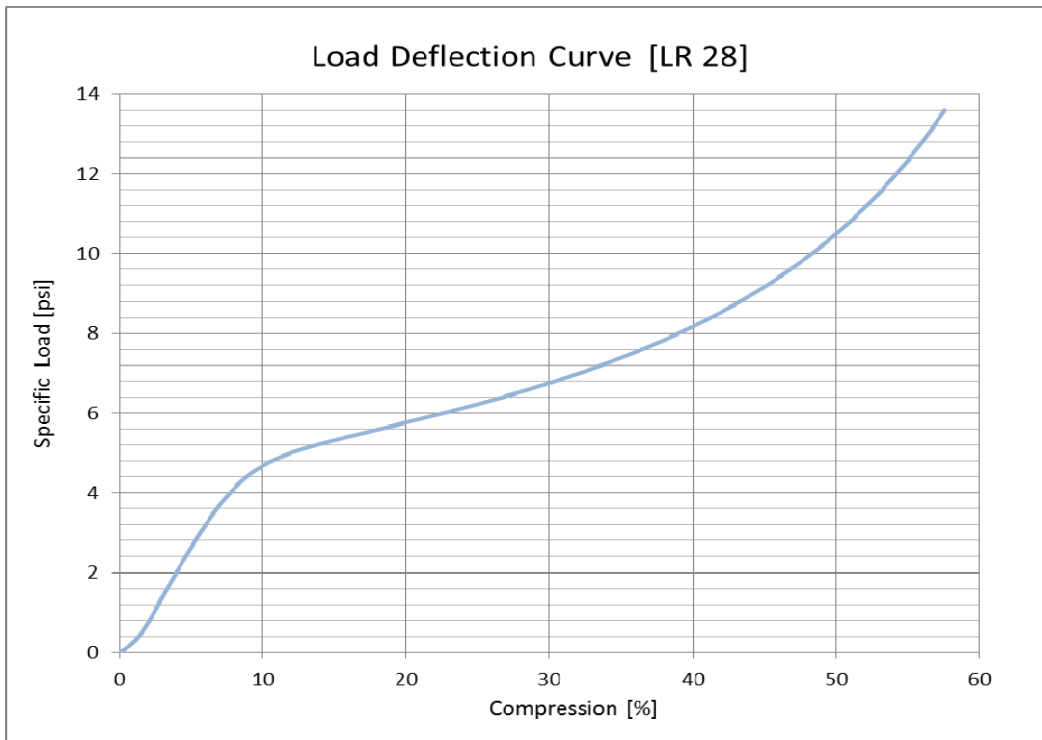
| PROPERTY   | TEST METHOD   | VALUE  |
|--|---|--|
| <b>PHYSICAL</b>  |   |  |
| Density, kg /m <sup>3</sup> (lb. / ft <sup>3</sup> )           | ASTM D 3574-95, Test A  | 208 (13)   |
| Tolerance, %   |   | ± 10   |
| Thickness, mm<br>(inches)                                      |   | 12.5 & 25<br>(0.492 & 0.984)   |
| Tolerance, %   |   | 6.3 & 8.1  |
| Standard Color (Code)  |   | Blue (119)   |
| Compression Force Deflection, kPa<br>(psi)                     | .51 cm/min (0.2" / min). Strain Rate<br>Force Measured @ 25% Deflection | 34 - 55<br>(5-8)   |
| Typical kPa (psi)  |   | 45 (6.5)   |
| Hardness, Durometer, Shore "OO", typical                       | ASTM D 2240-97  | 49   |
| Compression Set, % max.  | ASTM D 3574-95<br>Test D @ 70°C (158°F)                                 | 10   |
| Resilience by Vertical Rebound, %, typical                     | ASTM D 2632-96  | 57   |
| 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   | 780 (114)  |
| Tensile Elongation, % typical                                  | ASTM D 3574-75 Test E   | 475  |
| Tear Strength, kN/m (pli), typical                             | ASTM D 264-91 Die C   | 4.4 (25.0)   |
| <b>ELECTRICAL AND THERMAL</b>                                  |   |  |
| Dielectric Strength, kV/m (volts/mil)                          | ASTM D 149-97a  | 1380 (35)  |
| Coefficient of Thermal Expansion                               |   | 2.3 - 3.1 x 10 <sup>-4</sup> in./in./°C (1.3-1.7 x10 <sup>-4</sup> in/in/°F) |
| <b>TEMPERATURE RESISTANCE</b>                                  |   |  |
| 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)   |
| <b>FLAMMABILITY</b>  |   |  |
| Flammability   | UL 94HBF (File E20305) (Pending Certification)                          | Pass   |
|  | CSA Comp HBF (File 188149) (Pending Certification)                      | Pass   |
| <b>ENVIRONMENTAL</b>   |   |  |
| Water Absorption, Immersion Testing, %<br>weight gain, typical | ASTM D 570-95   | 13.8   |

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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