



PORON® Polyurethanes



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Typical Product Properties

PORON® VXT™ 4701-70-11xxx-120-59T-RR-16.4LF (LR18) – Data Sheet

PROPERTY	TEST METHOD	VALUE
<b>PHYSICAL</b>		
Density, kg /m <sup>3</sup> (lb. / ft <sup>3</sup> )	ASTM D 3574-95, Test A	168 (10.5)
Tolerance, kg /m <sup>3</sup> (lb. / ft <sup>3</sup> )		± 8 (0.5)
Thickness, mm (inches)		12.5 (0.492)   25 (0.984)
Tolerance, %		± 10
Standard Color (Code)		Pink (120)
Compression Force Deflection, kPa (psi)	0.51 cm/min (0.2" / min). Strain Rate	20 - 35
Typical kPa (psi)	Force Measured @ 25% Deflection	(3 - 5)
		28 (4)
Hardness, Durometer, Shore "OO", typical	ASTM D 2240-97	38
Compression Set, % max.	ASTM D 3574-95 Test D @ 70°C (158°F)	10
Resilience by Vertical Rebound, %, typical	ASTM D 2632-96	48
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	480 (70)
Tensile Elongation, % typical	ASTM D 3574-75 Test E	295
Tear Strength, kN/m (pli), typical	ASTM D 264-91 Die C	3.1 (17.7)
<b>ELECTRICAL AND THERMAL</b>		
Dielectric Strength, kV/m (volts/mil)	ASTM D 149-97a	1100 (28)
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>ENVIRONMENTAL</b>		
Water Absorption, Immersion Testing, % weight gain, typical	ASTM D 570-95	23.9

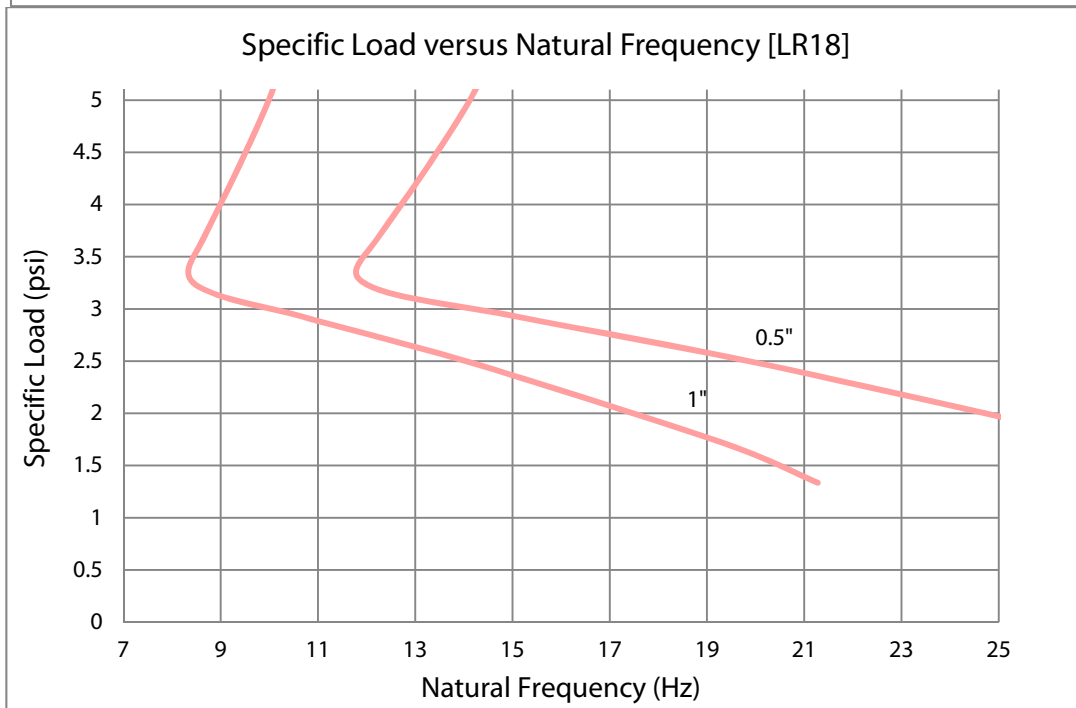
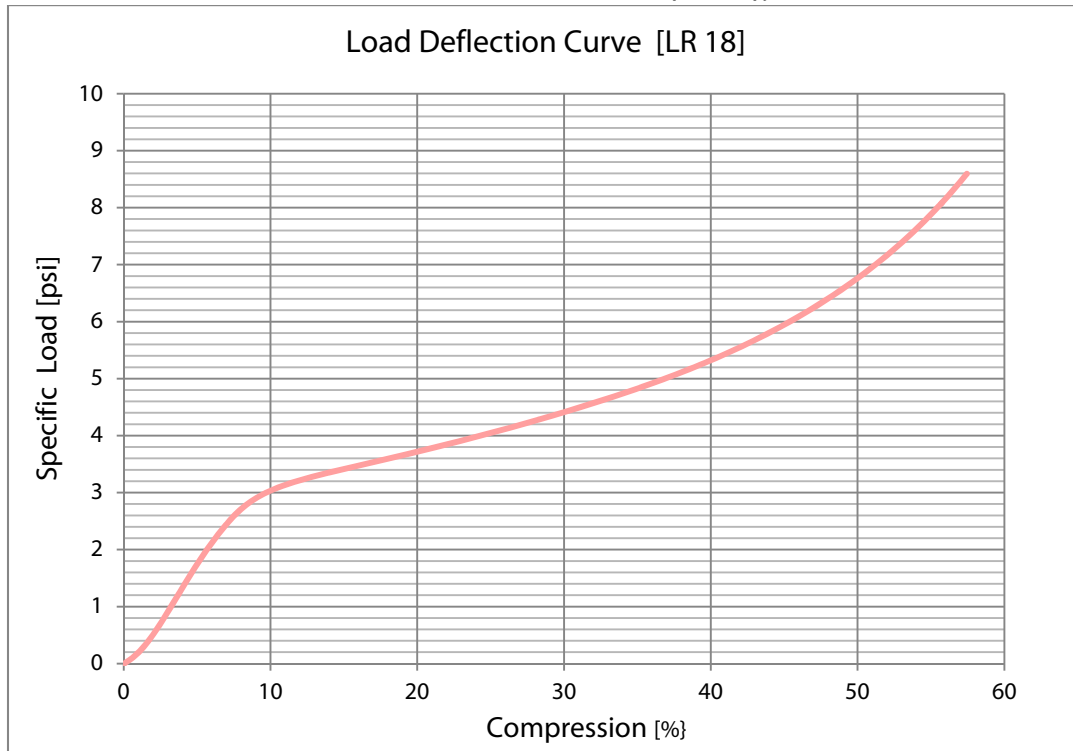
These materials are unsupported and should be processed with the knowledge that stretching of die-cut parts can occur when material has not been relaxed.

Notes:

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

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PORON® VXT™ 4701-70-11xxx-120-59T-RR-16.4LF (LR18), Continued



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