

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

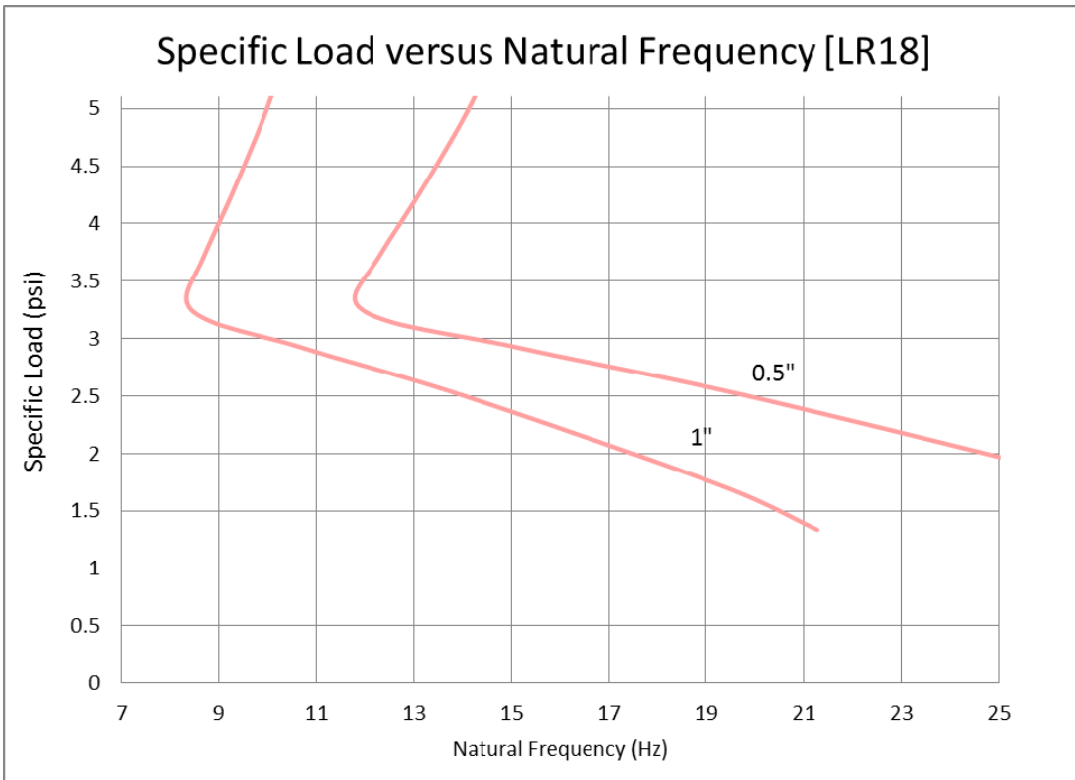
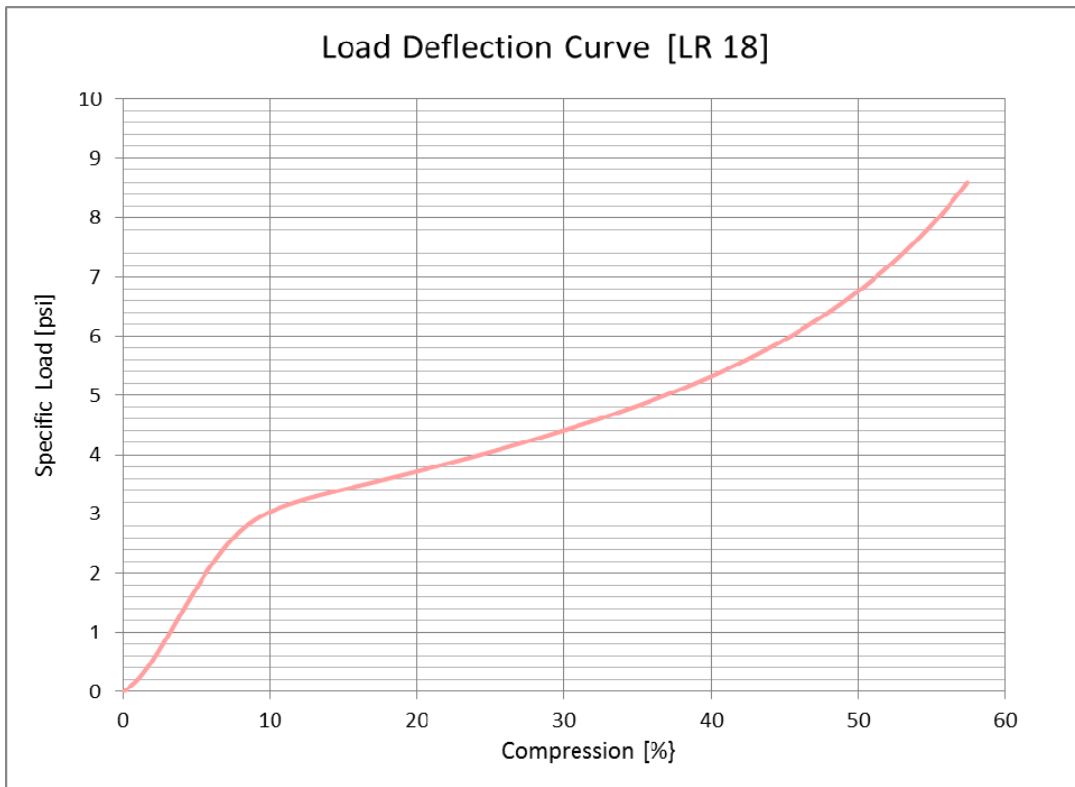
PROPERTY	TEST METHOD	VALUE
<b>PHYSICAL</b>		
<b>Density</b> , kg /m <sup>3</sup> (lb. / ft <sup>3</sup> )	ASTM D 3574-95, Test A	176 (11)
<b>Tolerance</b> , %		± 10
<b>Thickness</b> , mm (inches)		12.5 & 25 (0.492 & 0.984)
<b>Tolerance</b> , %		6.3 & 8.1
<b>Standard Color</b> (Code)		Pink (120)
<b>Compression Force Deflection</b> , kPa (psi) <b>Typical kPa (psi)</b>	.51 cm/min (0.2" / min). Strain Rate Force Measured @ 25% Deflection	20- 35 (3-5) 28 (4)
<b>Hardness</b> , Durometer, Shore "OO", typical	ASTM D 2240-97	38
<b>Compression Set</b> , % max.	ASTM D 3574-95 Test D @ 70°C (158°F)	10
<b>Resilience by Vertical Rebound</b> , % typical	ASTM D 2632-96	48
<b>Dimensional Stability</b> , % max. change	22 hrs @ 80°C (176°F) in a forced-air oven	± 3
<b>Tensile Strength</b> , kPa (psi), typical	ASTM D 3574-75 Test E	480 (70)
<b>Tensile Elongation</b> , % typical	ASTM D 3574-75 Test E	475
<b>Tear Strength</b> , kN/m (pli), typical	ASTM D 264-91 Die C	3.1 (17.7)
<b>ELECTRICAL AND THERMAL</b>		
<b>Dielectric Strength</b> , kV/m (volts/mil)	ASTM D 149-97a	1100 (28)
<b>Coefficient of Thermal Expansion</b>		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>		
<b>Recommended Constant Use</b> , max.	Rogers Internal Method	90°C (194°F)
<b>Recommended Intermittent Use</b> , max.	Rogers Internal Method	121°C (250°F)
<b>Embrittlement</b>	ASTM D 746-98	-20°C (-4°F)
<b>FLAMMABILITY</b>		
<b>Flammability</b>	UL 94HBF (File E20305) (Pending Certification) CSA Comp HBF (File 188149) (Pending Certification)	Pass Pass
<b>ENVIRONMENTAL</b>		
<b>Water Absorption</b> , 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:

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

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