

Typical Product Properties

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

PROPERTY	TEST METHOD	VALUE
<b>PHYSICAL</b>		
Density, kg /m <sup>3</sup> (lb. / ft <sup>3</sup> ) Tolerance, kg /m <sup>3</sup> (lb. / ft <sup>3</sup> )	ASTM D 3574-95, Test A	208 (13) ± 8 (0.5)
Thickness, mm (inches) Tolerance, %		12.5 (0.492)   25 (0.984) ± 10
Standard Color (Code)		Blue (119)
Compression Force Deflection, kPa (psi) Typical kPa (psi)	0.51 cm/min (0.2" / min). Strain Rate Force Measured @ 25% Deflection	34 - 55 (5 - 8) 45 (6.5)
Hardness, Durometer, Shore "OO", typical	ASTM D 2240-97	49
Compression Set, % max.	ASTM D 3574-95 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	360
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 x 10 <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	13.8

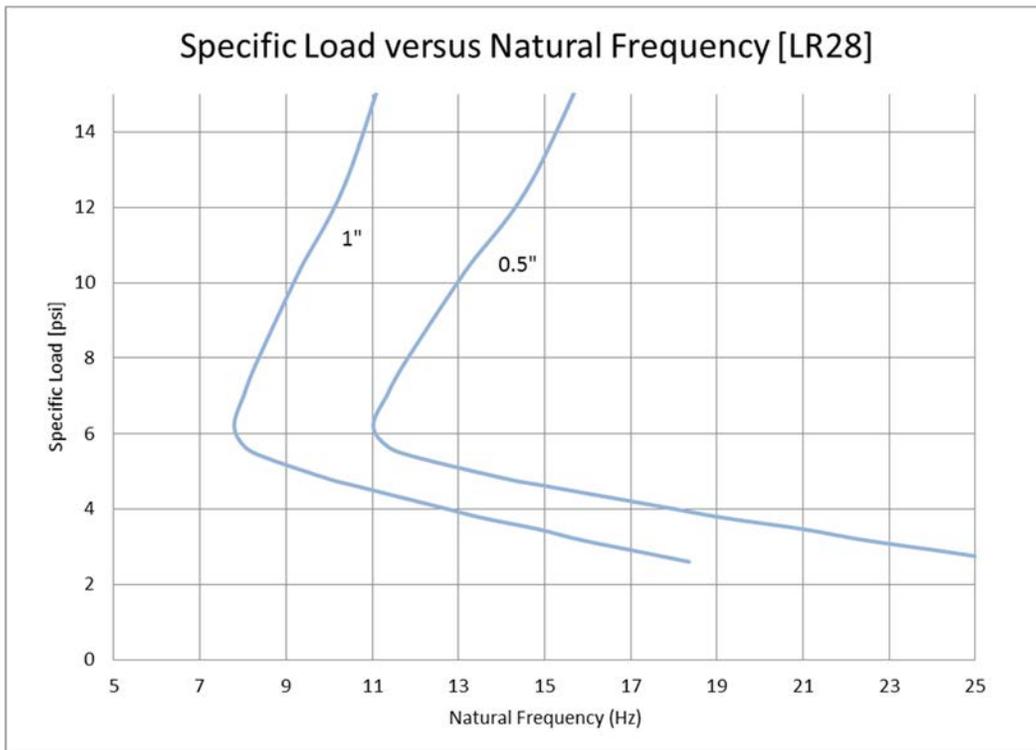
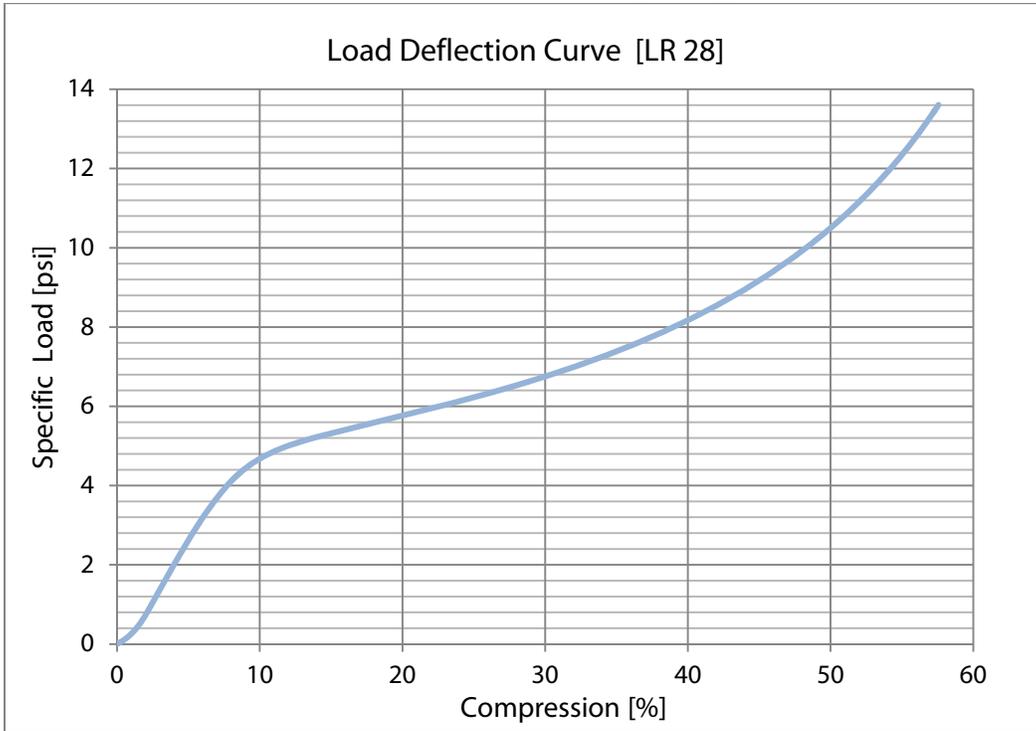
These materials are unsupported and should be processed with the knowledge that stretching of die-cut parts can occur when material has not been relaxed.

Notes:

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

The information contained in this Data Sheet is intended to assist you in designing with Rogers' Elastomeric Material Solutions. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown in this Data Sheet will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers' PORON Polyurethane Materials for each application. The Rogers logo, Helping power, protect, connect our world, PORON and VXT are trademarks of Rogers Corporation or one of its subsidiaries. © 2016, 2018 Rogers Corporation, All rights reserved. Printed in U.S.A. 1118-PDF, Publication # 17-333

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



The information contained in this Data Sheet is intended to assist you in designing with Rogers' Elastomeric Material Solutions. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown in this Data Sheet will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers' PORON Polyurethane Materials for each application. The Rogers logo, Helping power, protect, connect our world, PORON and VXT are trademarks of Rogers Corporation or one of its subsidiaries. © 2016, 2018 Rogers Corporation, All rights reserved. Printed in U.S.A. 1118-PDF, Publication # 17-333

Helping power, protect, connect our world™



☎: 618-282-7700  
 ✉: sales@seconrubber.com  
 🌐: www.seconrubber.com