

# BISCO® L3-XX40

BISCO® L3-XX40 is a medium density, cellular silicone foam material designed for use as a vibration isolation pad in rail car floating floors. It insulates, seals, absorbs and protects. Material is available in continuous rolls in a variety of thicknesses.

## Features & Benefits, applicable to all BISCO® Cellular Materials:

- Excellent vibration isolation and dampening
- Low smoke evolution
- Low flame spread
- Handles extreme temperatures
- UV and weather resistant

PROPERTY	TEST METHOD	TYPICAL VALUE*	SPECIFICATION**
<b>PHYSICAL</b>			
Color	Visual	<b>Boilermaker Red</b>	---
Thickness, mm (inches)	Internal	<b>4 - 12</b> <b>(0.157 - 0.472)</b>	See "Width Tolerance" table
Density, kg/m <sup>3</sup> (lb./ft <sup>3</sup> )	Internal	465 (29)	<b>296 - 513</b> <b>(18.5 - 32)</b>
Compression Force Deflection, kPa (psi)	ASTM D1056	76 (11)	<b>62 - 124</b> <b>(9 - 18)</b>
Compression Set, %	ASTM D1056 100°C (212°F) / 22 hrs / 50%	2.4	< 5
Water Absorption, %	Internal 2" below water surface / 24 hrs / change in weight	0.5	< 5

Additional industry specifications tested in tables below.

PROPERTY	TEST METHOD	TYPICAL VALUE*	SPECIFICATION**
<b>FLAMMABILITY</b>			
Flame Spread Index (Is)	ASTM E162	Meets	Flaming Mode < 35
Smoke Density (Ds)	ASTM E662	Meets	Flaming Mode, 1.5 min, < 100 Flaming Mode, 4.0 min, < 100

PROPERTY	TEST METHOD	TYPICAL VALUE*	SPECIFICATION**
<b>THERMAL</b>			
Temperature Range, °C (°F)	Internal	-55 to +200 (-67 to +392)	---
Low Temperature Brittleness	ASTM D746 -55°C (-67°F) / 3 min	---	Pass

### Standard Thickness Tolerances

NOMINAL THICKNESS	TOLERANCE
mm (inches)	mm (inches)
4 (0.157)	± 0.48 (± 0.019)
6 (0.236)	± 0.72 (± 0.028)
10 (0.394)	± 1.20 (± 0.047)
12 (0.472)	± 1.44 (± 0.057)

Other thicknesses available upon request

### Slit Material and Tape (PSA) Width Tolerances

NOMINAL WIDTH	TOLERANCE
mm (inches)	mm (inches)
> 0 - 76 (> 0 - 3)	± 1.60 (± 0.063)
> 76 - 203 (> 3 - 8)	± 2.39 (± 0.094)
> 203 - 305 (> 8 - 12)	± 3.18 (± 0.125)
> 305 - 457 (> 12 - 18)	± 4.78 (± 0.188)
> 457 - 660 (> 18 - 26)	± 5.56 (± 0.219)
> 660 - 914 (> 26 - 36)	+ 25.4/- 0 (+ 1/- 0)

### SPECIFICATIONS

- NFPA 130
- EN45545 - R10 HL3

#### Notes:

\*Typical Value - Value is based on historical data. Please note the frequency of testing varies.

\*\*Specification - Applies to physical properties only, which are based on Rogers' internal benchmark and standard BISCO specification values.

Additional industry specifications are available as well. Specification values in bold are tested on a batch basis. All other properties, flammability, thermal, etc, are based on industry standard guidelines.

To order BISCO materials, please contact our Sales Specialists at 860.928.3622 or via email at [EMS\\_CT\\_cust\\_serv@rogerscorporation.com](mailto:EMS_CT_cust_serv@rogerscorporation.com)



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