

**Information**

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 and benefits**

- Excellent vibration isolation and damping
- Low Smoke evolution
- Low Flame spread
- Handles extreme temperatures
- UV and weather resistant

**Applications**

- Floating floor application
- Vibration isolation pads/strips

**Typical Physical Properties:**

PROPERTY	TEST METHOD	TYPICAL VALUE	SPECIFICATION
Colour	Visual	Boilermaker Orange	-
Thickness mm (inches)	Internal	4 – 25mm (0.157-0.472)	See "Width Tolerance" table
Density, kg/m <sup>3</sup> (lb/ft <sup>3</sup> )	Internal	465 (26)	296-513 (18.5-32)
Compression Force Deflection, kPa (psi)	ASTM D1056	76 (11)	62-124 (9-18)
Compression Set, %	ASTM D1056 100°C (212°F)/22hrs/50%	2.4	<5
Water Absorption, %	Rogers Internal	0.5	<5

**FLAMMABILITY:**

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

**THERMAL:**

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

STANDARD THICKNESS TOLERANCES MM (INCHES)	
Nominal Thickness	Tolerance
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)

SLIT MATERIAL AND TAPE (PSA) WIDTH TOLERANCES MM (INCHES)	
Nominal Width	Tolerance
>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)

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