

BISCO® Silicones

L3 Première

BISCO® L3 Première silicone foam technology is the *next generation* in dynamic and floating floor materials from Rogers Corporation developed specifically to meet the most challenging global requirements for flammability, smoke and toxicity.

Flame, Smoke & Toxicity		
French Mass Transit (Rail)	NF F 16-101	M1 F0
German Mass Transit (Rail)	DIN 5510	S4, SR-2, ST-2
British Mass Transit (Rail)	BS 6853 (Table 1)	cat 1a

Property	Test Method	Value	Units
Density	ASTM D 1056	304	kg/m ³
Tensile Strength	ASTM D 412	345	kPa
Elongation	ASTM D 412	50	%
Compression Deflection @ 25% Strain	ASTM D 1056	110	kPa
Compression Set (100°C for 22 hours @ 50% strain)	ASTM D 1056	< 5	%
Water Absorption	24 hrs @ room temp.	< 5	%
Mechanical Loss Factor	DMA	0.2	-
Stiffness Factor	-	1.5	

Reduced Vibration, Quieter Cabins

The L3 Première exhibits a low natural frequency and is engineered to *isolate vibration* enabling a safe and smooth passenger ride over the life-time of mass transit vehicles.

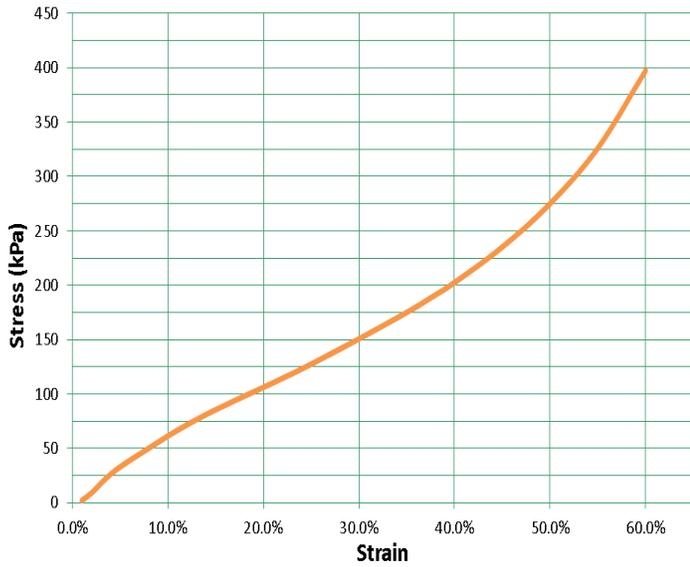
- Railcar dynamic and floating floor pads
- Boat and yacht flooring isolation pads

Standard Roll Dimensions		
Thickness (mm)	Width (mm)	Roll Length (m)
4	914	12
6	914	12
10	914	6
12	914	6
16	914	6
25	500	3

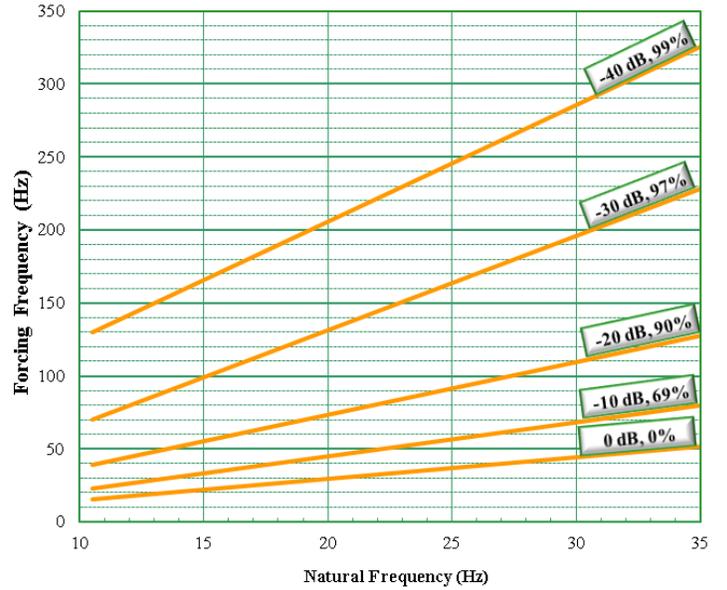
*Nonstandard thicknesses and lengths available on request

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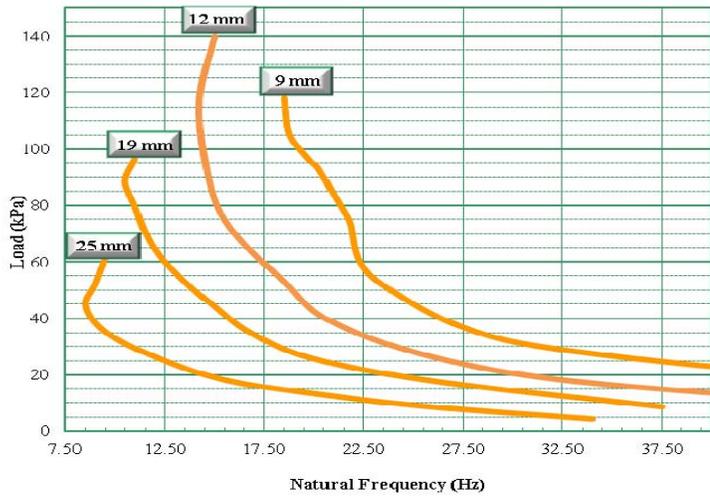
Compression Deflection Curve
Data Based on ASTM D-1056 with sample size of 50.8 mm square



Vibration Isolation - Efficiency
Data based on 19mm samples



Load vs. Natural Frequency



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