

Rogers Corporation Bisco® L3 Premiere Next Generation Dynamic Flooring Material

Category : Polymer , Thermoset , Silicone , Silicone Foam

Material Notes:

BISCO® L3 Premiere 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. The L3 Premiere 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 Information provided by Rogers Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Rogers-Corporation-Bisco-L3-Premiere-Next-Generation-Dynamic-Flooring-Material.php

Physical Properties	Metric	English	Comments
Density	0.304 g/cc	0.0110 lb/in ³	ASTM D1056
Water Absorption	<= 5.0 % @Time 86400 sec	<= 5.0 % @Time 24.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength	0.345 MPa	50.0 psi	ASTM D142
Elongation at Break	50 %	50 %	ASTM D412
Compressive Yield Strength	0.110 MPa @Strain 25.0 %	16.0 psi @Strain 25.0 %	ASTM D1056
Compression Set	<= 5.0 % @Temperature 100 °C, Time 79200 sec	<= 5.0 % @Temperature 212 °F, Time 22.0 hour	ASTM D1056

Descriptive Properties	Value	Comments
Mechanical Loss Factor	0.2	DMA
Stiffness Factor	1.5	

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