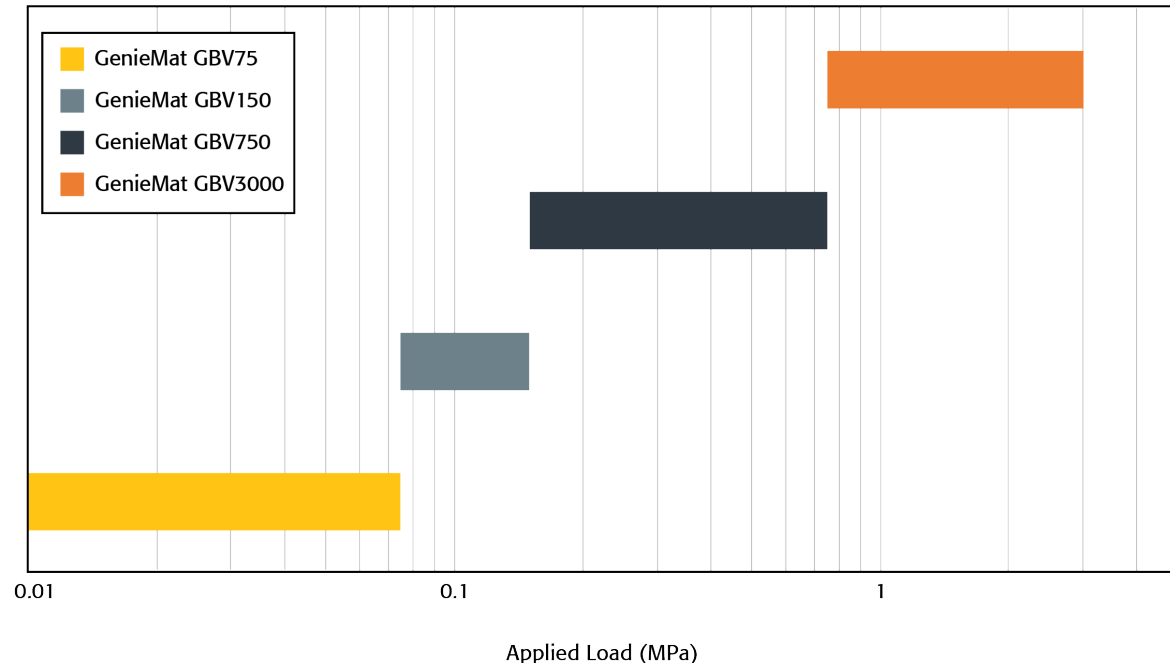


GENIEMAT[®] GBV150

Ground-Borne Vibration Isolation



PRODUCT RANGE



PRODUCT SPECIFICATIONS

PRODUCT NAME	GenieMat GBV150
DESCRIPTION	Dynamically soft rebonded-rubber material capable of withstanding high loads. Used when superior lateral vibration decoupling is required for building isolation.
APPLICATION	Suitable for loads up to 150 kPa
FEATURES & BENEFITS	<ul style="list-style-type: none"> • Dynamically soft for excellent vibration isolation • Mold, bacteria, fungi, and water resistant • No potential mold -producing fiberglass • Will not break down or move under load • Easy to install
THICKNESS	50 mm (2")
DIMENSION	Sheets: 610 mm x 1220 mm (24" x 48")
SHEET AREA	0.74 m ² (8 ft ²)
LEAD TIME	4 weeks after receipt of order

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TECHNICAL DATA

OPERATING LOAD LIMIT	150 kPa
PEAK LOAD LIMIT	450 kPa
CREEP RATE	<1.0% per decade
MECHANICAL LOSS FACTOR	0.13*
TEMPERATURE STABILITY	-40°C to +80°C (-40°F to +176°F)
THERMAL CONDUCTIVITY	0.13 W/m °C
R-VALUE @ 2"	2.1 ft ² h °F/Btu

OPERATING LOAD DATA 0.1 MPa LOADING

NATURAL FREQUENCY	11.5 Hz
40 Hz DYNAMIC MODULUS	3.2 MPa

* Load and frequency dependent

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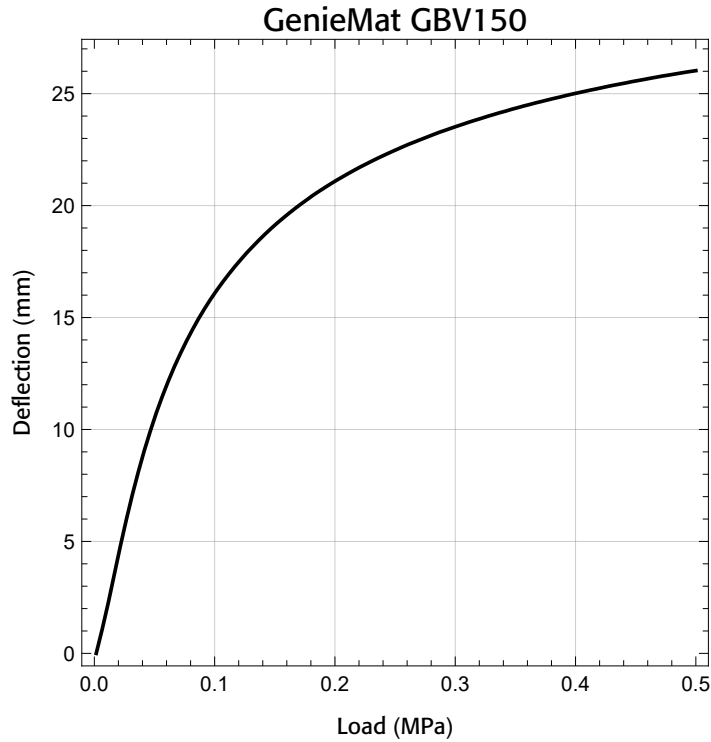


Fig. 1: Applied Load vs Deflection

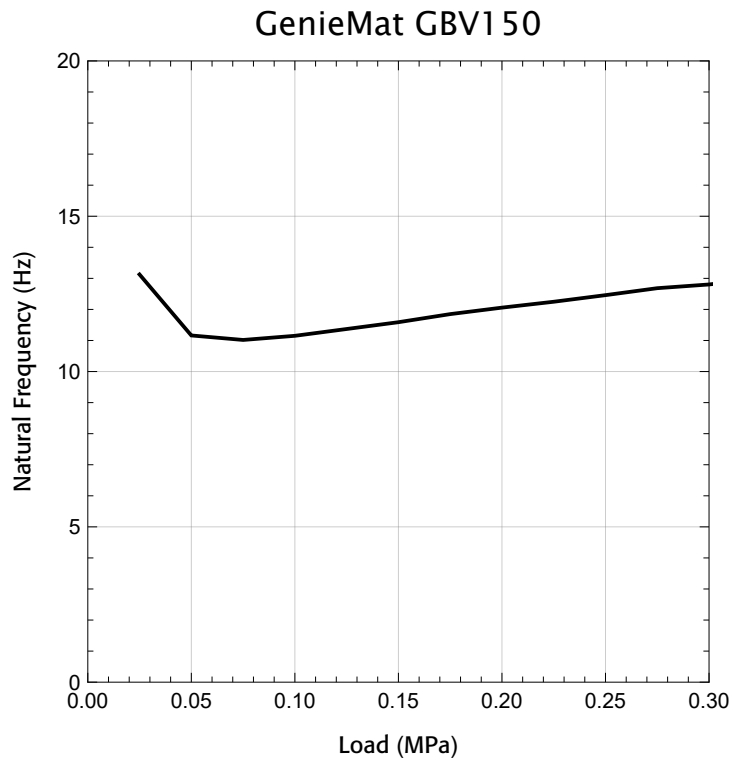


Fig. 2: Applied Load vs Natural Frequency

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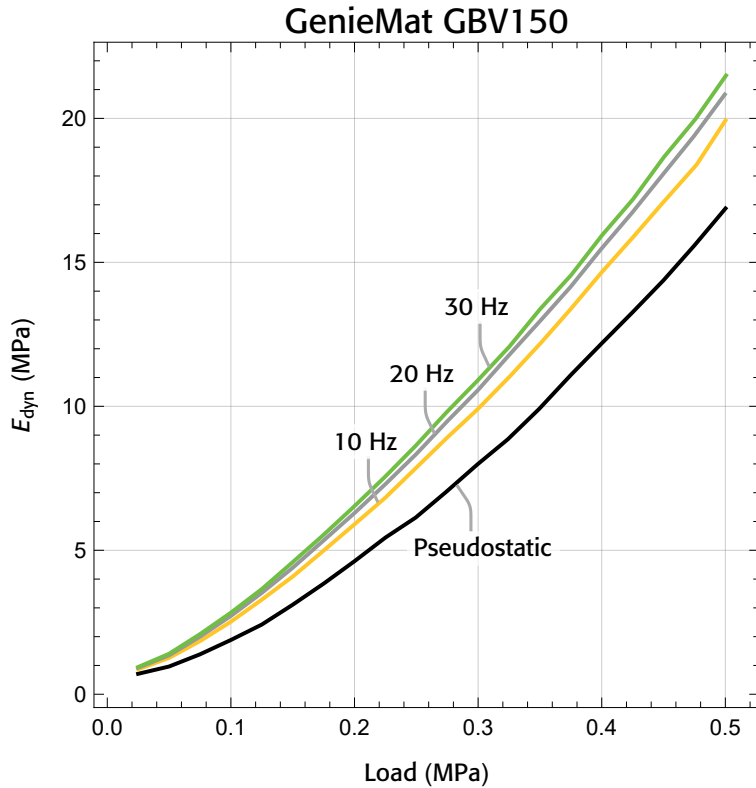


Fig. 3: Applied Load vs Dynamic Modulus

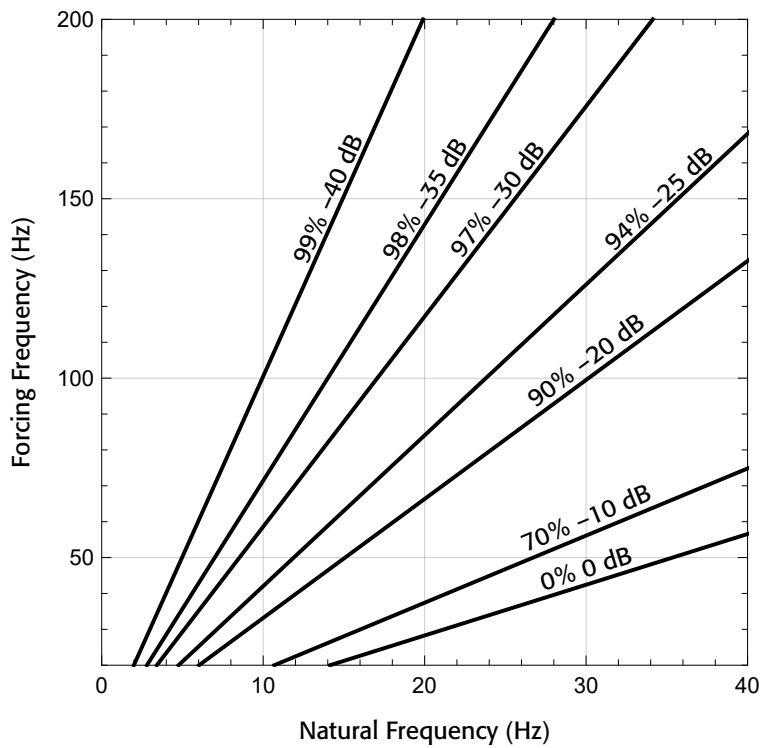


Fig. 4: Isolation Efficiency

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AROUND THE WORLD.

CONTACT US

PLITEQ NORTH AMERICA

131 Royal Group Crescent
Vaughan, ON
L4H 1X9 Canada

T. + 1 416 449 0049

info@pliteq.com
www.pliteq.com

PLITEQ UK

Irongate House
22-30 Dukes Place
London
EC3A 7LP

T. + 44 203 9846444

info@pliteq.co.uk
www.pliteq.co.uk

PLITEQ MIDDLE EAST

European Business Centre
Dubai Investment Park
PO Box 473 512
Dubai, UAE

T: +971 4 567 4944

info@pliteq.ae
www.pliteq.ae

PLITEQ ASIA PACIFIC

101 Cecil Street #19-13
Tong Eng Building Singapore
069533

T. +65 8452 6865

info@pliteq.sg
www.pliteq.sg



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