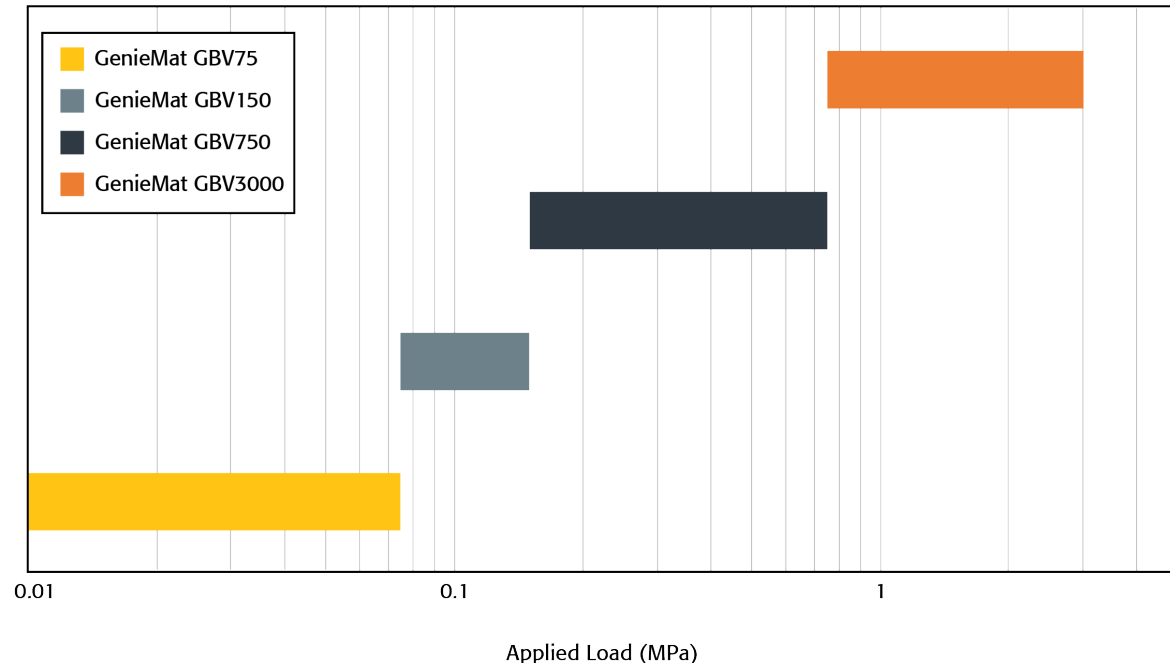


GENIEMAT[®] GBV750

Ground-Borne Vibration Isolation



PRODUCT RANGE



PRODUCT SPECIFICATIONS

PRODUCT NAME	GenieMat GBV750
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 750 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: 305 mm x 1220 mm (12" x 48")
SHEET AREA	0.37 m ² (4 ft ²)
LEAD TIME	4 weeks after receipt of order

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Ground-Borne Vibration Isolation



TECHNICAL DATA

OPERATING LOAD LIMIT	750 kPa
PEAK LOAD LIMIT	3 MPa
CREEP RATE	1.0% per decade
MECHANICAL LOSS FACTOR	0.14*
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 0.5 MPa LOADING

NATURAL FREQUENCY	11 Hz
40 Hz DYNAMIC MODULUS	13.6 MPa

* Load and frequency dependent

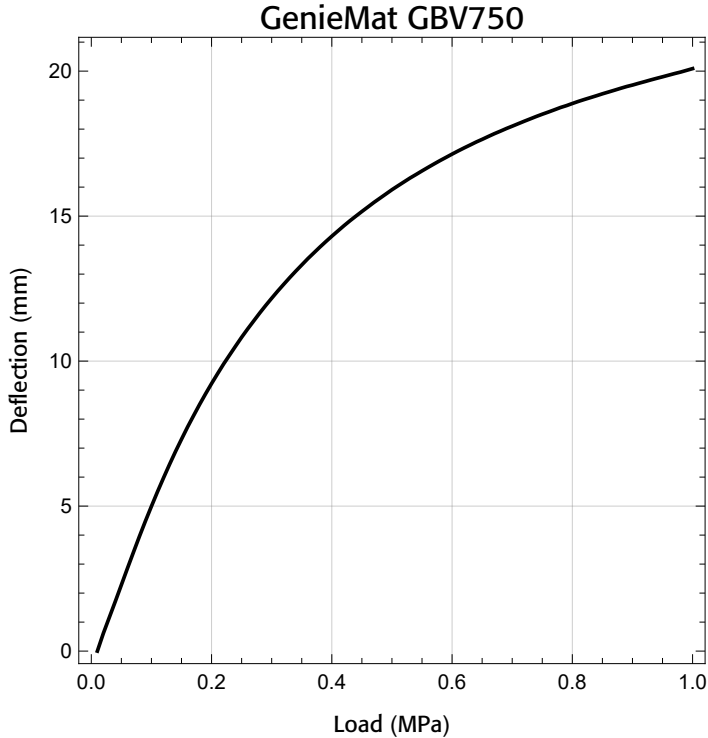
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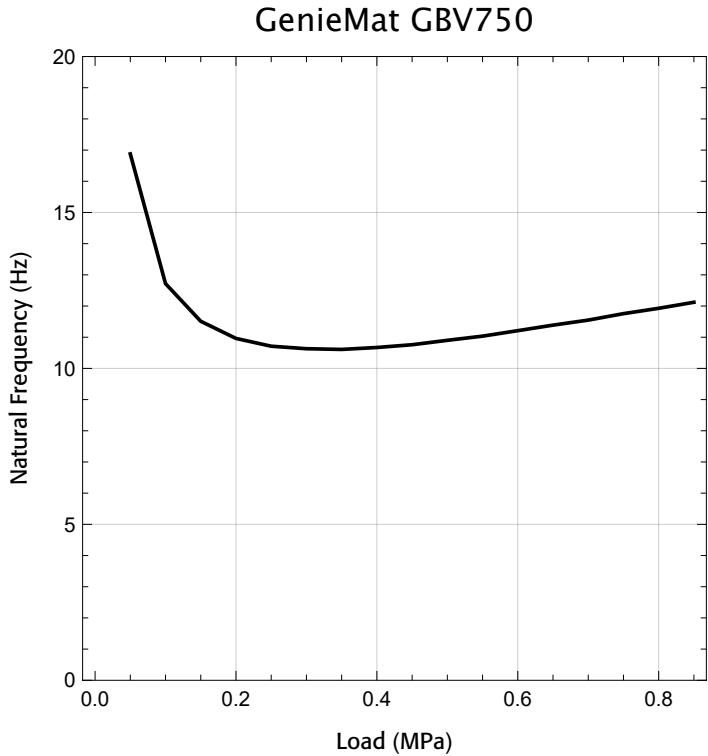
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GENIEMAT® GBV750

Ground-Borne Vibration Isolation



Applied Load vs Deflection



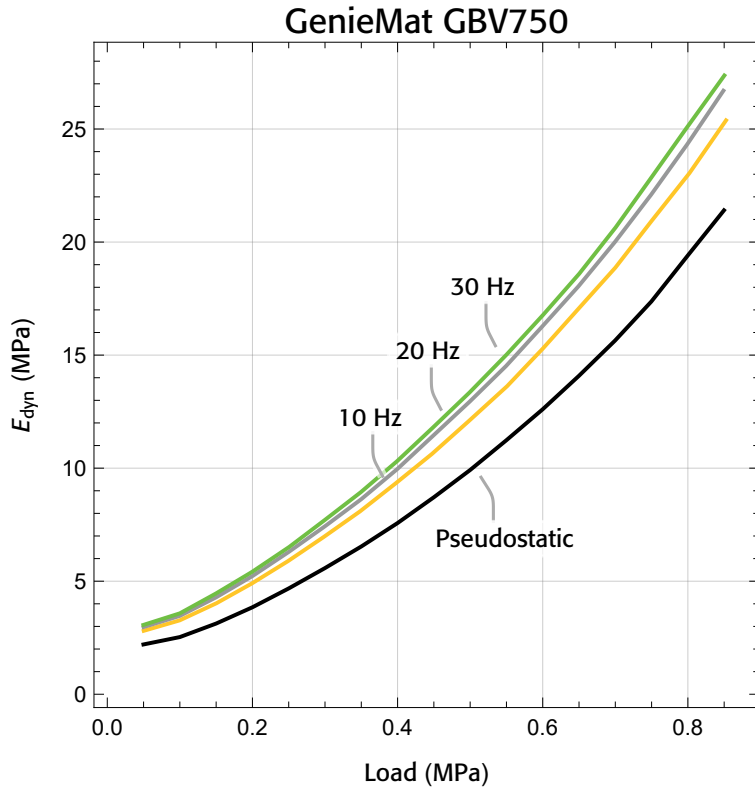
Applied Load vs Natural Frequency

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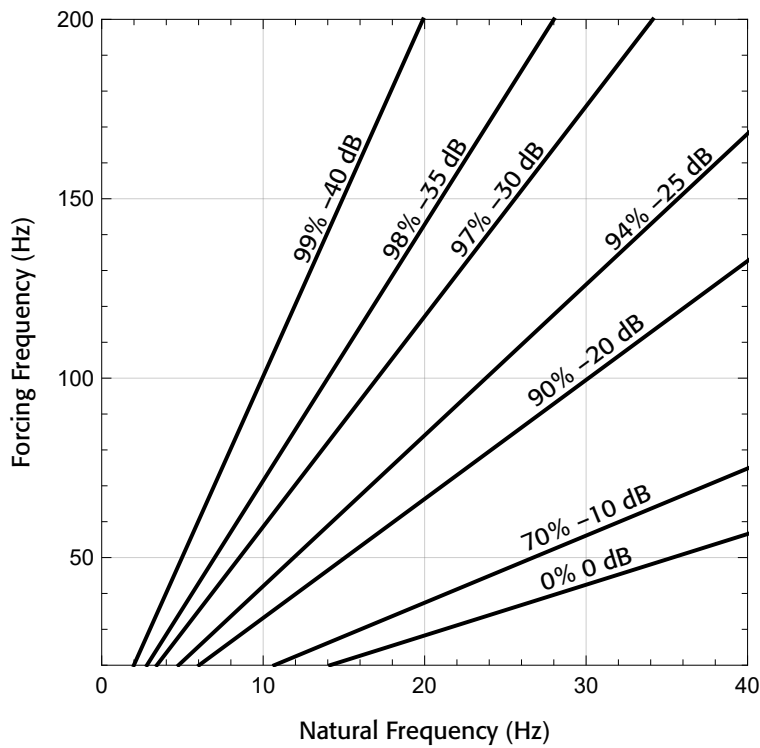
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GENIEMAT[®] GBV750

Ground-Borne Vibration Isolation



Applied Load vs Dynamic Modulus



Isolation Efficiency

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