

# GENIEMAT<sup>®</sup> WSI

## WEIGHT STACK ISOLATORS



**GenieMat WSI** is a vibration isolator made from a combination of vibration damping materials.

By combining ultra high performance elastomers with bearing plates, high vibration isolation values are achieved for the most problematic equipment.

Vibration pads are available for any selectorised application. Vibration isolation efficiencies up to 99% and over 40dB noise reduction are commonly achieved, eliminating noise transfer into other areas.

### PRODUCT SPECIFICATION

PRODUCT NAME:	<b>GenieMat WSI</b>
STANDARD THICKNESS:	64 mm (2 1/2") (unloaded)
STANDARD SIZES:	Custom
STATIC DEFLECTION:	13 mm - 25 mm (1/2" - 1")
PRODUCT AVAILABILITY:	<b>GenieMat WSI</b> is sold individually. For other special applications please consult us.

### TECHNICAL DATA

MECHANICAL LOSS FACTOR (DIN 53513):	0.25
STATIC E-MODULUS (DIN 53513):	0.048 N/mm <sup>2</sup>
DYNAMIC E-MODULUS (DIN 53513):	0.144 N/mm <sup>2</sup>
STATIC SHEAR MODULUS (DIN 53513):	0.04 N/mm <sup>2</sup>

## CONTACT US

For Your Project Specific Questions

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The information provided is accurate to the best of our knowledge at the time of issue. However, we reserve the right to make changes when necessary without further notification. Suggested application may need to be modified to conform with local building codes and conditions. We cannot accept responsibility for products that are not used, or installed, to our specifications. All listed dimensions are nominal.

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### TECHNICAL DATA (CONTINUED)

DYNAMIC SHEAR MODULUS  
(DIN 53513): 0.09 N/mm<sup>2</sup>

RESISTANCE TO STRAIN: 0.011 N/mm<sup>2</sup>

RESIDUAL COMPRESSION SET  
(DIN EN ISO 1856): < 5%

TENSILE STRENGTH  
(DIN 53455-6-4): > 0.35 N/mm<sup>2</sup>

ELONGATION AT BREAK  
(DIN 53455-6-4): > 400%

TEAR RESISTANCE  
(DIN ISO 34-1/A): > 0.6 N/mm

REBOUND ELASTICITY  
(DIN EN ISO 8307): 50%

SPECIFIC VOLUME  
RESISTANCE (DIN IEC 93): > 10<sup>12</sup> Ω·cm

THERMAL CONDUCTIVITY  
(DIN 52612-1): 0.05 W/[m·K]

OPERATING TEMPERATURE: -30 to +70 °C

TEMPERATURE PEAK: +120 °C

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