

GENIEMat® 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 selectorized 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: | GenieMat WSI |
| STANDARD THICKNESS: | 64 mm (2 1/2") (unloaded) |
| STANDARD SIZES: | Custom |
| STATIC DEFLECTION: | 13 mm - 25 mm (1/2" - 1") |
| PRODUCT AVAILABILITY: | GenieMat WSI 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 ² |
| DYNAMIC E-MODULUS (DIN 53513): | 0.144 N/mm ² |
| STATIC SHEAR MODULUS (DIN 53513): | 0.04 N/mm ² |

CONTACT Us

For Your Project Specific Questions

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TECHNICAL DATA (CONTINUED)

| | |
|--|--------------------------|
| DYNAMIC SHEAR MODULUS (DIN 53513): | 0.09 N/mm ² |
| RESISTANCE TO STRAIN: | 0.011 N/mm ² |
| RESIDUAL COMPRESSION SET (DIN EN ISO 1856): | < 5% |
| TENSILE STRENGTH (DIN 53455-6-4): | > 0.35 N/mm ² |
| 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 ¹² Ω·cm |
| THERMAL CONDUCTIVITY (DIN 52612-1): | 0.05 W/[m·K] |
| OPERATING TEMPERATURE: | -30 to +70 °C |
| TEMPERATURE PEAK: | +120 °C |
| INFLAMMABILITY (EN ISO 11925-1): | Class E / EN 13501-1 |

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