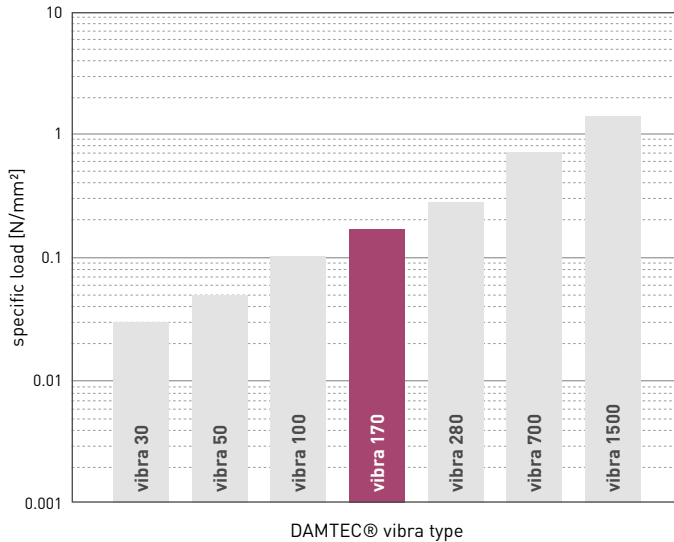


**DAMTEC® vibra series**

Working range



<b>Load range</b> up to [N/mm <sup>2</sup> ] <b>0.17</b>	<b>Load peak</b> up to [N/mm <sup>2</sup> ] <b>0.70</b>
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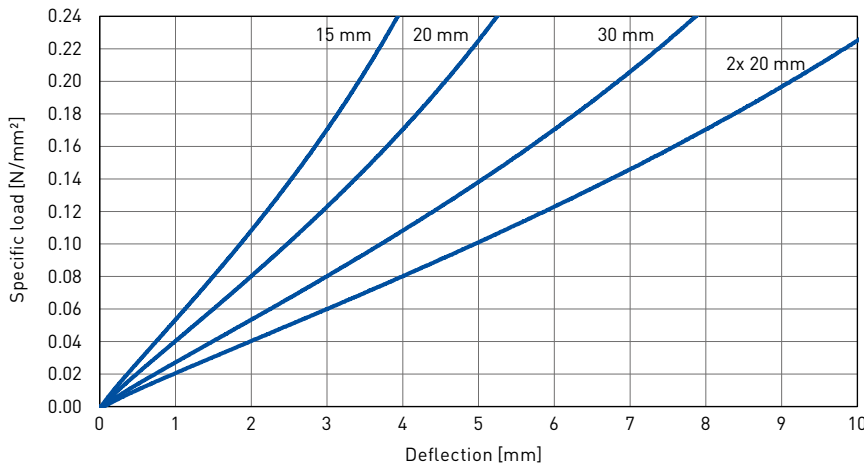
<b>Material</b>	granules of PU and EVA foam with PU elastomer bonding agent
<b>Colour</b>	multicoloured
<b>Surface</b>	granular texture
<b>Thicknesses</b>	15   20   30 mm (±1.0 mm)
<b>Roll width</b>	1,250 mm (±1.5 %)
<b>Roll length</b>	15/1   20/1   30/1 mm/m (±1.5 %)

Other dimensions on request (also stamping and moulded parts).

Properties	Value	Test method	Comment
<b>Tensile strength</b>	0.15 - 0.55 N/mm <sup>2</sup>	ISO 1798	
<b>Elongation at break</b>	20 - 50 %	ISO 1798	
<b>Maximum pressure</b>	0.17 N/mm <sup>2</sup>	EN 826	
<b>Bedding modulus</b>	0.05 - 0.70 N/mm <sup>3</sup>	DIN 53513	depending on configuration, load and frequency
<b>Natural frequency</b>	10-30 Hz		depending on configuration, load and frequency
<b>Service temperature range</b>	-30 to +80 °C		
<b>Flammability rating</b>	class E	EN 13501-1	normal flammable
<b>Density</b>	340 - 440 kg/m <sup>3</sup>		

All information and data is based on our current knowledge. The data are subject to typical manufacturing tolerances and are not guaranteed. We reserve the right to amend the data.

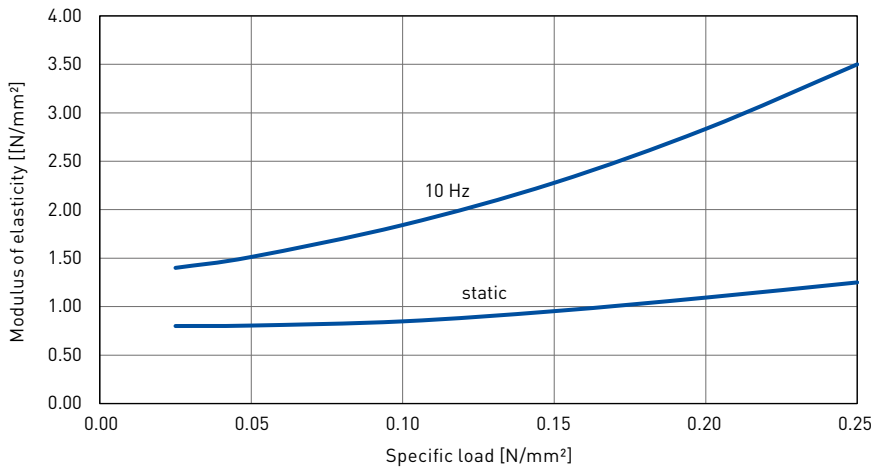
**Load deflection curve**



Recording of the 3rd loading;  
testing between steel plates at  
room temperature  
Testing in accordance with DIN EN 826

Test speed  $v = 1\%$  of thickness/s  
Form factor  $q = 3.75$

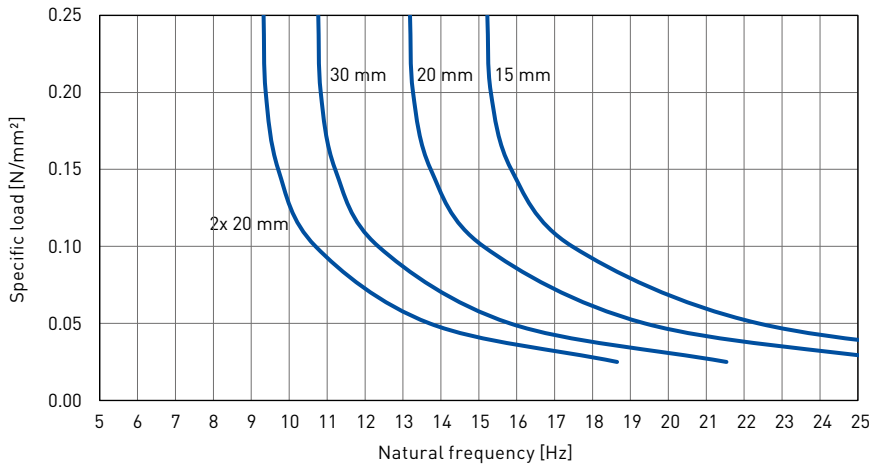
**Modulus of elasticity**



Dynamic test: sinusoidal excitation  
with an oscillating range of  
 $\pm 0.25$  mm at 10 Hz  
Testing in accordance with DIN 53513

Form factor  $q = 3.75$

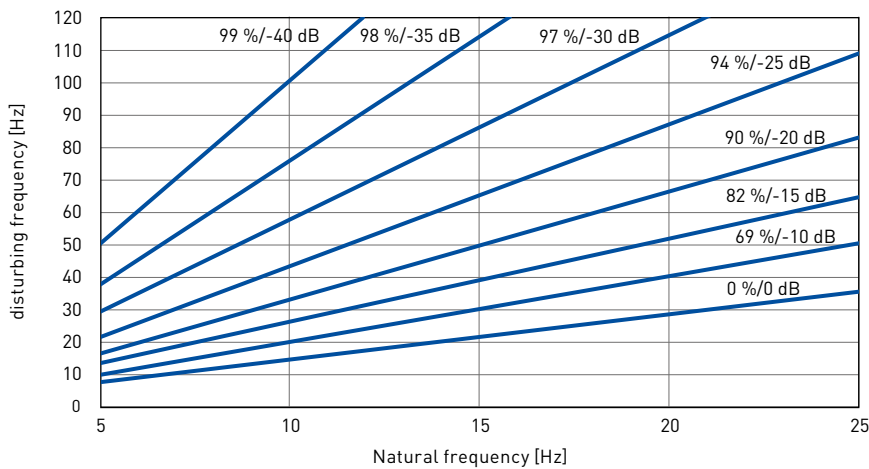
### Natural frequency



Natural frequency of the system consisting of a fixed mass and an elastic bearing consisting of DAMTEC® vibra 170 on a stiff subgrade

Form factor  $q = 3.75$

### Vibration isolation



The isolation effect for a single mass oscillator system on a rigid surface with DAMTEC® vibra 170.

Parameters:  
insertion loss in dB,  
Isolation factor in %.

#### DISCLAIMER:

The information provided is intended only as a summary and general overview on matters of interest. The information is not intended to be comprehensive nor does it constitute expert advice. KRAIBURG Relastec shall not be liable for incidental and/or consequential damages directly or indirectly sustained, nor any loss caused by not complying with relevant industry/product standards and improper use of any DAMTEC® vibra products. Due to varying construction methods, any other circumstances not stated above should be brought to the attention of KRAIBURG Relastec for review. For suitability to the prevailing site conditions, it is advised that certified testing should be conducted. It is recommended to seek further advice on your application with our technical staff prior to use.

The data sheet is not subject to any change service! All information is without guarantee.  
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