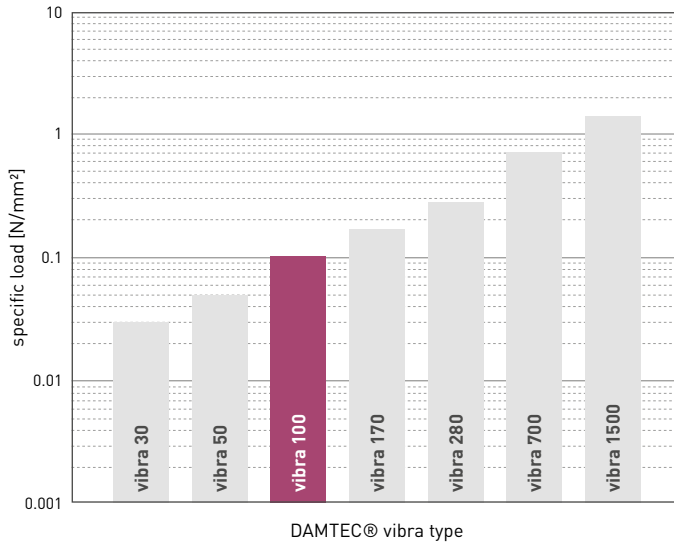


DAMTEC® vibra series

Working range



Load range up to [N/mm ²] 0.10	Load peak up to [N/mm ²] 0.30
----------------------------------------------------------------	---------------------------------------------------------------

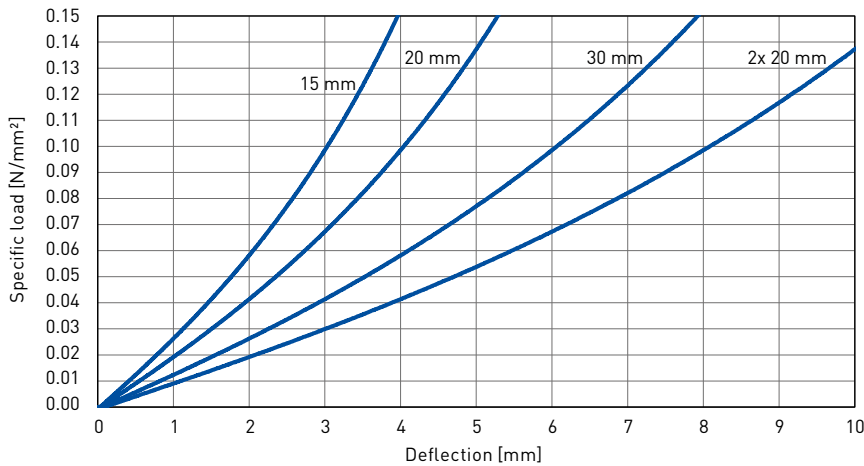
Material	granules of polyurethane foam with PU elastomer bonding agent
Colour	multicoloured
Surface	granular texture
Thicknesses	15 20 30 mm (±1.0 mm)
Roll width	1,250 mm (±1.5 %)
Roll length	15/1 20/1 30/1 mm/m (±1.5 %)

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

Properties	Value	Test method	Comment
Tensile strength	0.15 - 0.7 N/mm ²	ISO 1798	
Elongation at break	35 - 75 %	ISO 1798	
Maximum pressure	0.10 N/mm ²	EN 826	
Bedding modulus	0.03 - 0.09 N/mm ³	DIN 53513	depending on configuration, load and frequency
Natural frequency	9-25 Hz		depending on configuration, load and frequency
Service temperature range	-30 to +80 °C		
Flammability rating	class E	EN 13501-1	normal flammable
Density	330 - 430 kg/m ³		

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.

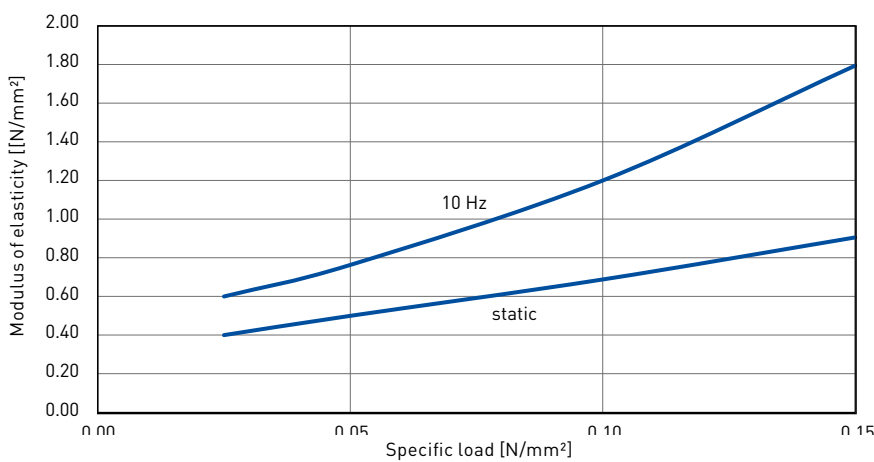
Load deflection curve



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 $q = 3.75$

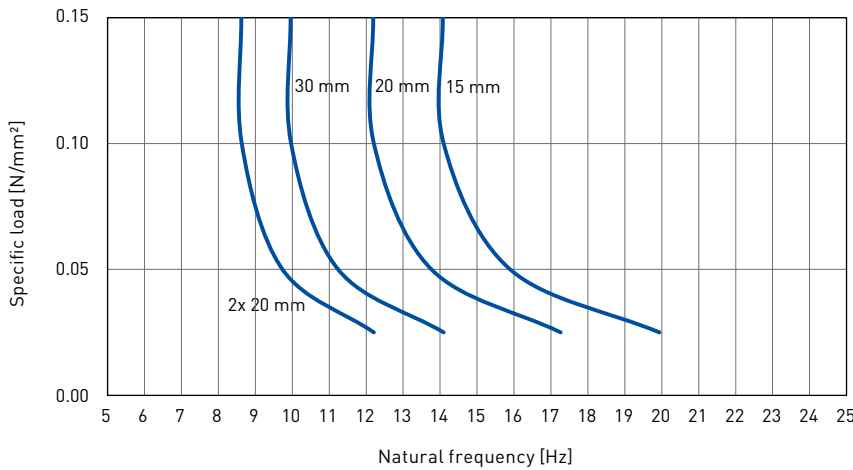
Modulus of elasticity



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

Form factor $q = 3.75$

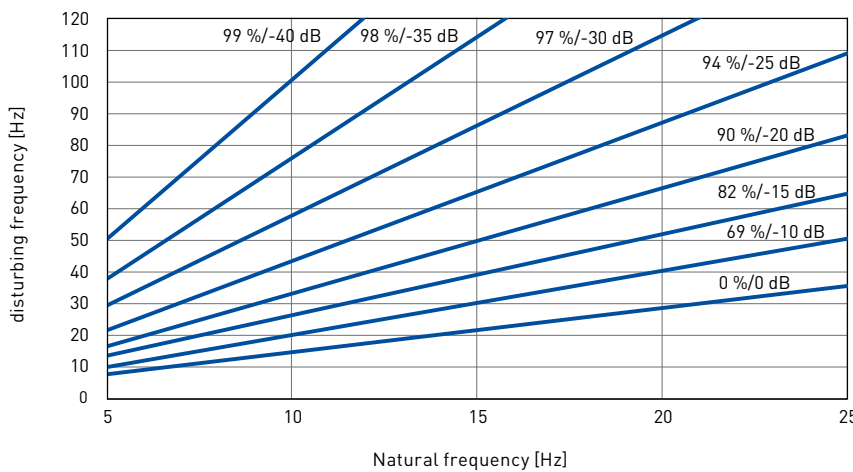
Natural frequency



Natural frequency of the system consisting of a fixed mass and an elastic bearing consisting of DAMTEC® vibra 100 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 100.

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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