

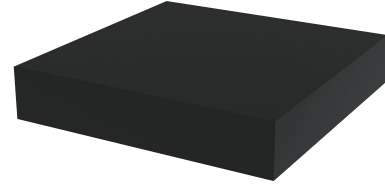
## Cisador® 35

Elastomeric bearing for vibration isolation

### Product information

#### DIMENSIONS AND WEIGHTS

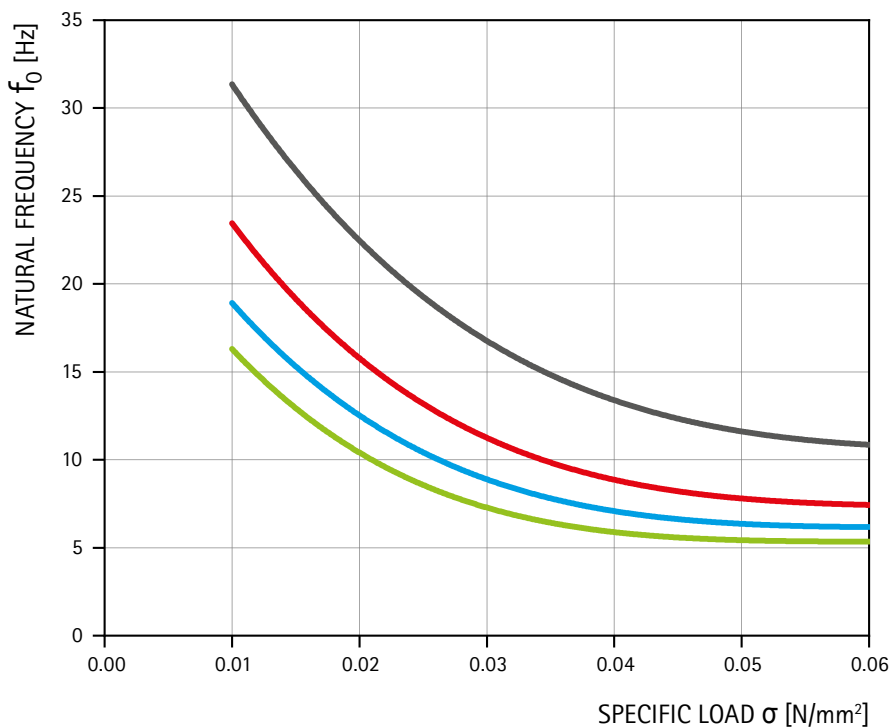
Length	1000 mm
Width	750 mm
Thickness	20 mm
Weight	5.0 kg / m <sup>2</sup>
Cut to size	available on request



#### PROPERTIES

Materials	Closed-cell, microcellular EPDM
Permanent load	≤ 0.035 N/mm <sup>2</sup>
Permanent load + dynamic load	≤ 0.060 N/mm <sup>2</sup>
Load peaks (occasional and short-term)	≤ 0.300 N/mm <sup>2</sup>
Thermal stability	-40°C + 70°C
Flammability	B2 acc. to DIN 4102 (normally combustible)
Water absorption	≤ 5%

### Natural frequency



#### NATURAL FREQUENCY CURVE

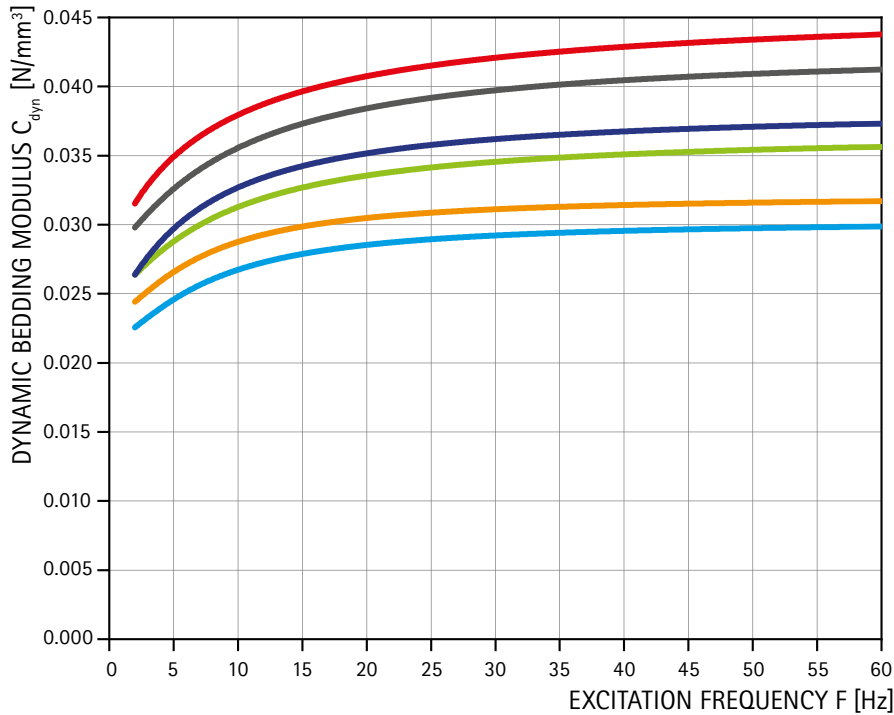
The figure shows the natural frequency of a single-degree-oscillator with Cisador® 35 as an elastic bearing for an excitation with a velocity amplitude of 1 mm/s.

- t = 20 mm
- t = 40 mm
- t = 60 mm
- t = 80 mm

## Cisador® 35

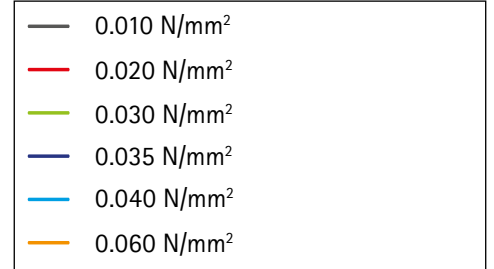
Elastomeric bearing for vibration isolation

### Dynamic bedding modulus depending on the excitation frequency (20 mm)

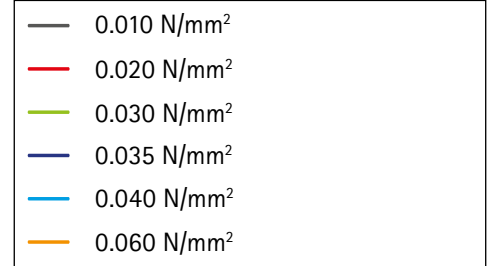
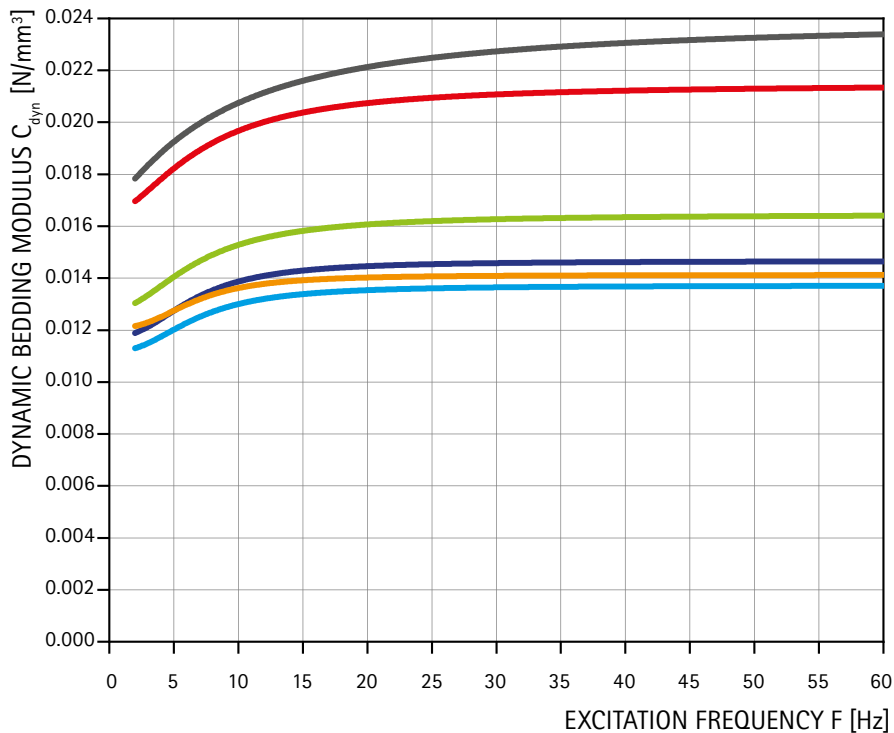


#### BEDDING MODULUS CURVES

The figures shows the dynamic bedding moduli for an excitation with a velocity amplitude of 1 mm/s and for different vertical compressive stresses.



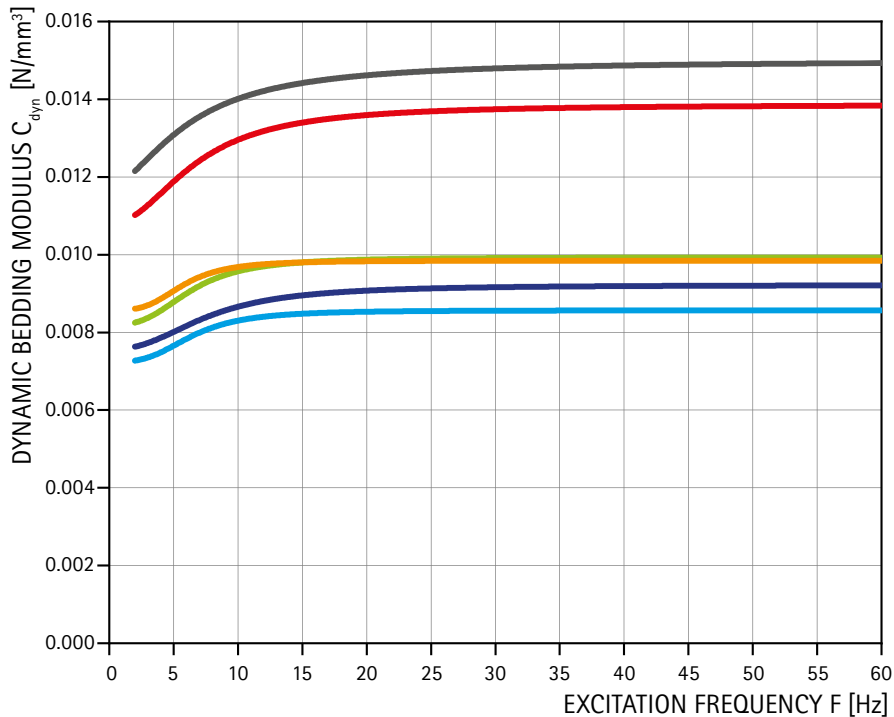
### Dynamic bedding modulus depending on the excitation frequency (40 mm)



## Cisador® 35

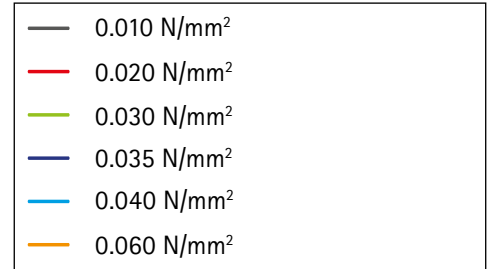
Elastomeric bearing for vibration isolation

### Dynamic bedding modulus depending on the excitation frequency (60 mm)

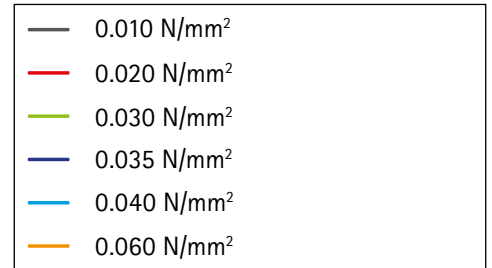
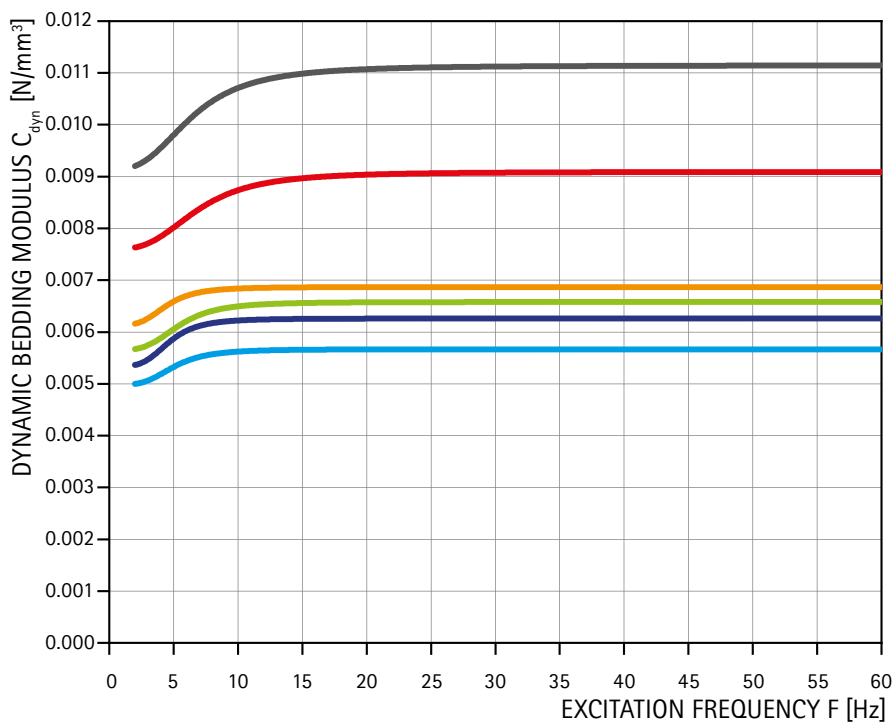


#### BEDDING MODULUS CURVES

The figures shows the dynamic bedding moduli for an excitation with a velocity amplitude of 1 mm/s and for different vertical compressive stresses.



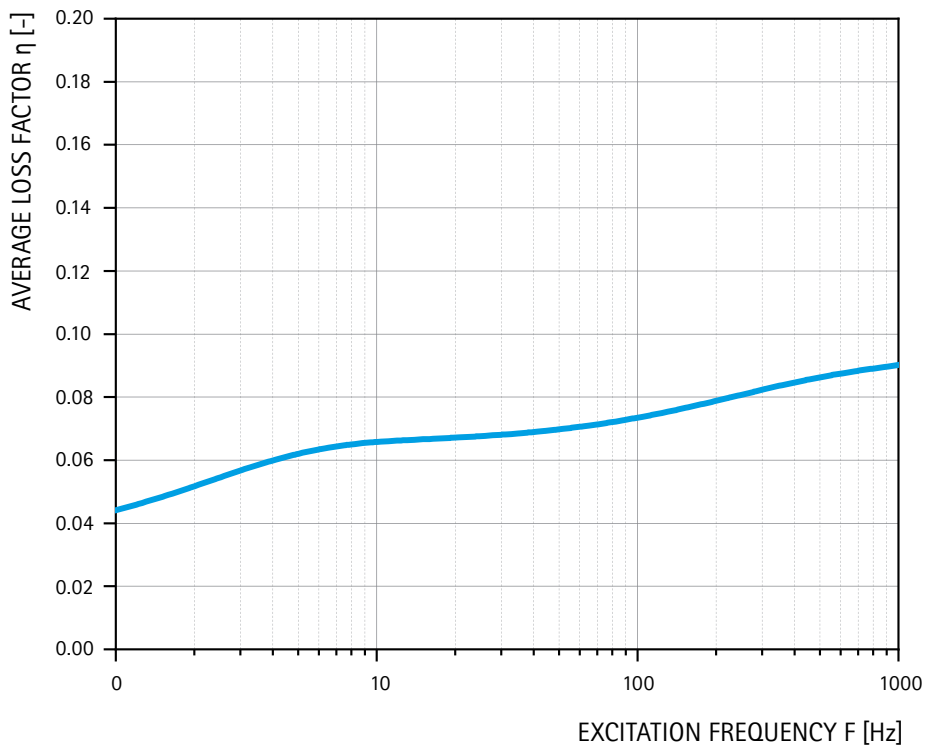
### Dynamic bedding modulus depending on the excitation frequency (80 mm)



## Cisador® 35

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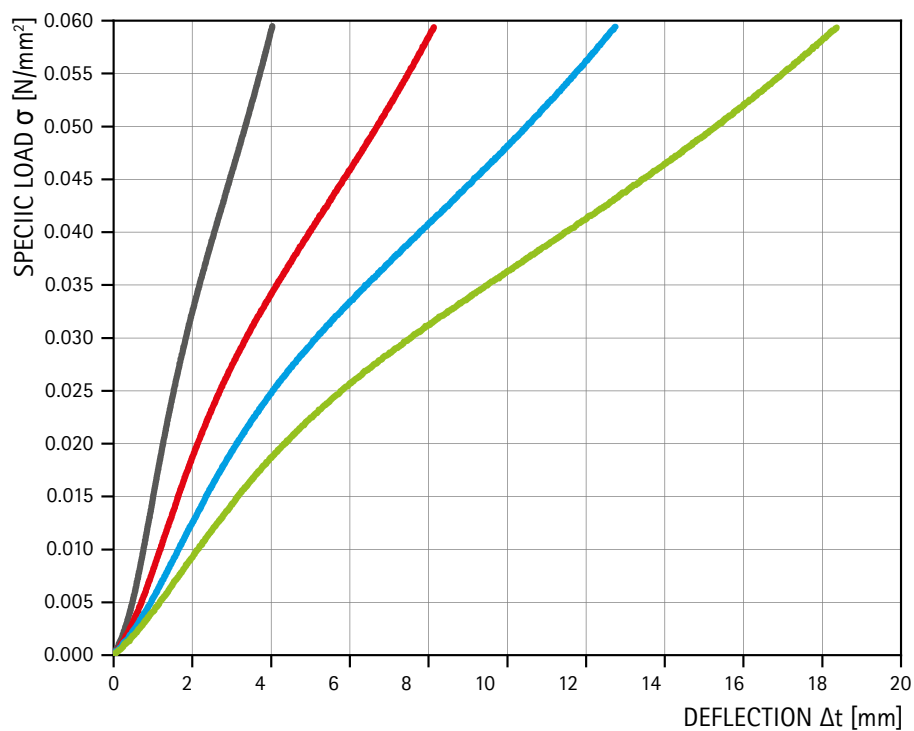
### Loss factor



#### LOSS FACTOR CURVE

The loss factor is a measure of the energy loss per cycle in an oscillating system. The values shown in the diagram were determined by a DMA analysis using the WLF master curve method with a reference temperature of 20°C in order to be able to represent as wide a frequency range as possible.

### Load deflection



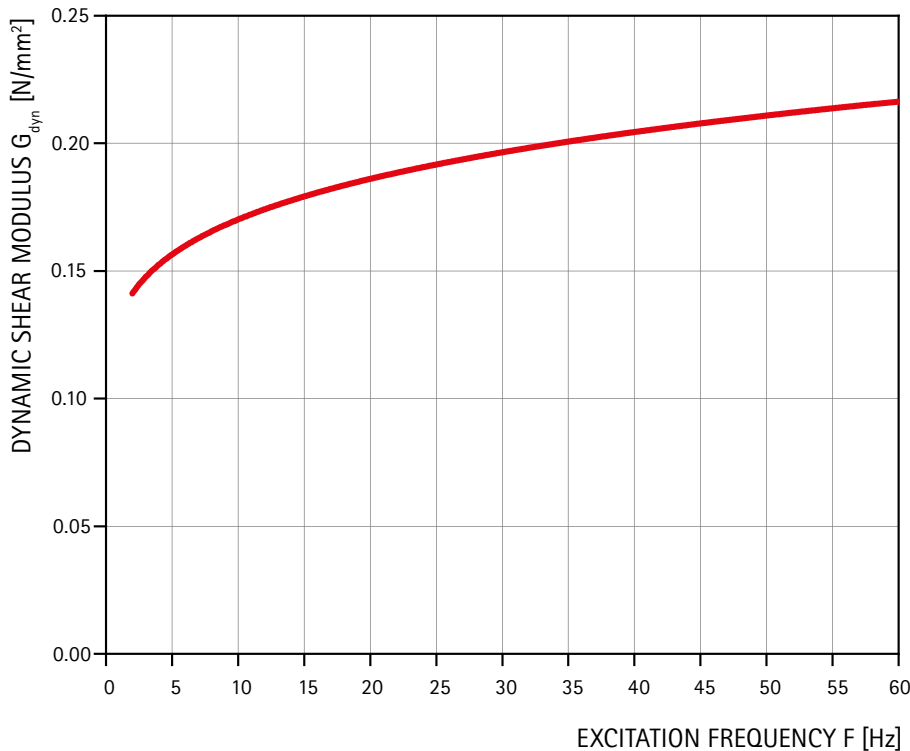
#### LOAD DEFLECTION CURVE

Application of uniaxial pressure against vertical deformation.

- t = 20 mm
- t = 40 mm
- t = 60 mm
- t = 80 mm

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**Shear modulus****SHEAR MODULUS CURVE**

The diagram shows the shear modulus of the 20 mm thick Cisador® 35 at a vibration velocity amplitude of 1 mm/s as a function of frequency. For greater thicknesses, the shear modulus tends to be lower.

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