

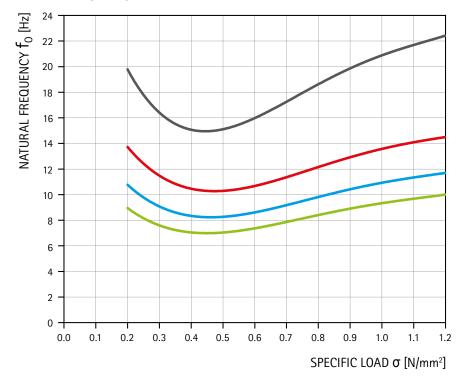


Product information

DIMENSIONS AND WEIGHTS		
Length	900 mm	
Width	650 mm	
Thickness	15 mm	
Weight	11 kg / m²	
Cut to size	available on request	

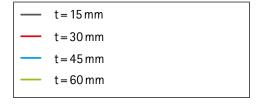
PROPERTIES		
Materials	Closed-cell, microcellular EPDM	
Permanent load	≤ 0.8 N/mm ²	
Permanent load + dynamic load	≤ 1.2 N/mm ²	
Load peaks (occasional and short-term)	≤ 5.0 N/mm²	
Thermal stability	-40°C + 100°C	
Flammability	B2 acc. to DIN 4102 (normally combustible)	
Water absorption	< 2%	

Natural frequency



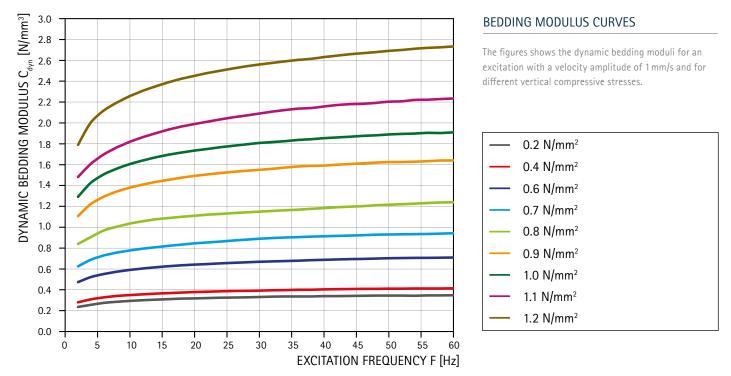
NATURAL FREQUENCY CURVE

The figure shows the natural frequency of a single-degree-oscillator with Cisador® 800 as an elastic bearing for an excitation with a velocity amplitude of 1 mm/s.

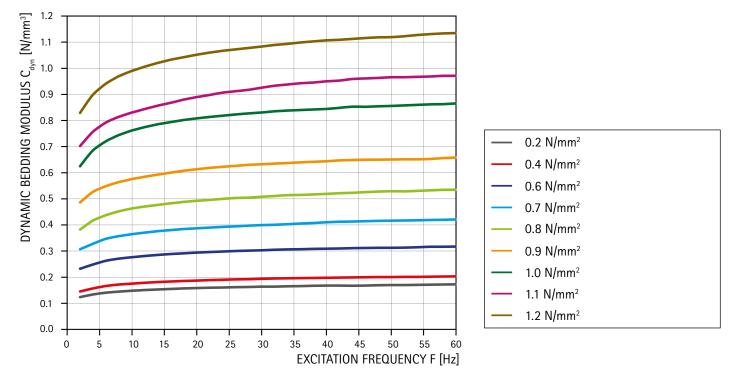




Dynamic bedding modulus depending on the excitation frequency (15 mm)

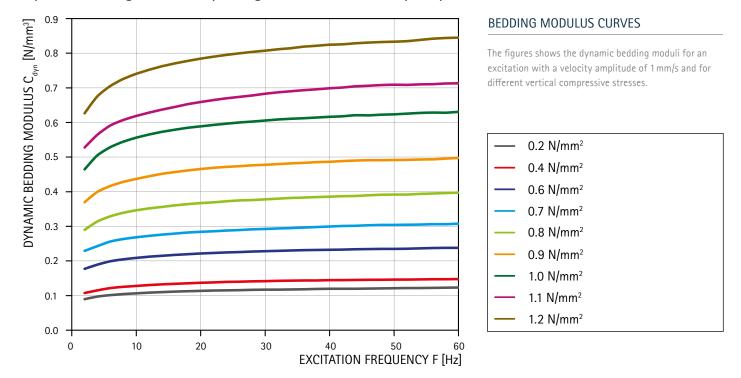


Dynamic bedding modulus depending on the excitation frequency (30 mm)

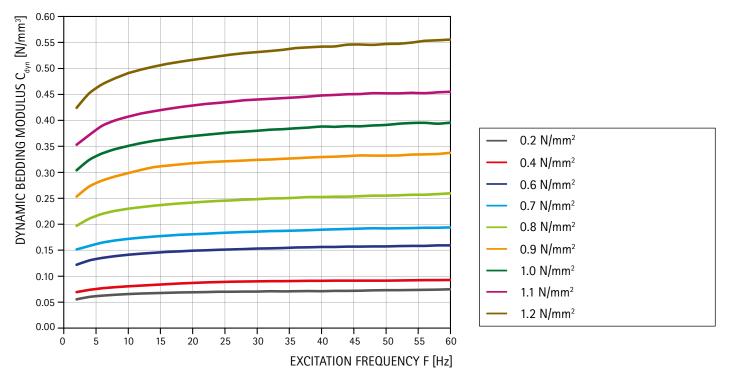




Dynamic bedding modulus depending on the excitation frequency (45 mm)

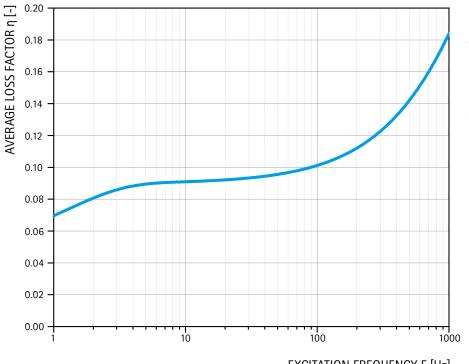


Dynamic bedding modulus depending on the excitation frequency (60 mm)





Loss factor

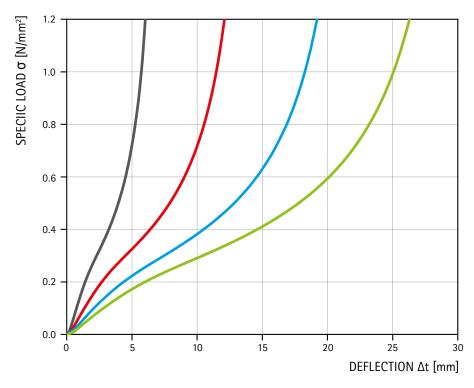


LOSS FACTOR CURVE

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.

EXCITATION FREQUENCY F [Hz]

Load deflection



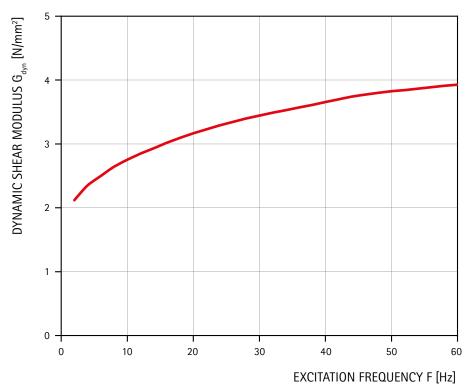
LOAD DEFLECTION CURVE

Application of uniaxial pressure against vertical deformation.





Shear modulus



SHEAR MODULUS CURVE

The diagram shows the shear modulus of the 15 mm thick Cisador® 800 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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