



Recommendations for elastic bearing:

Static load: up to [N/mm²]

12,0

Dynamic load: up to [N/mm²]

16,0

Load peaks: up to [N/mm²]

24,0

Material: closed cellular polyether-urethane

Colour: black

Delivery specifications:

Thickness: 12,5 mm and 25 mm

Mats: 1,0 m wide, 1,0 m long

Stripes: max. 1,0 m long

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

Values depending on form factor and apply to form factor q = 2

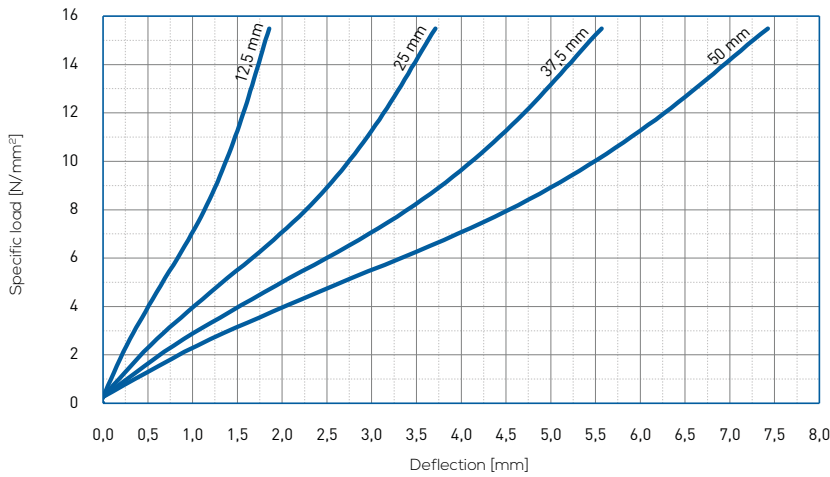
Properties	Value	Test method	Comment
Mechanical loss factor ⁽¹⁾	0,11	DIN 53513 ⁽²⁾	guide value
Static E-modulus ⁽¹⁾	140 N/mm ²	DIN 53513 ⁽²⁾	
Dynamic E-modulus ⁽¹⁾	370 N/mm ²	DIN 53513 ⁽²⁾	
Compression hardness	9,0 N/mm ²		at 10% deformation
Operating temperature	-30 à +70 °C		
Temperature peak	+120 °C		
Inflammability	Class E / EN 13501-1	EN ISO 11925-1	normally flammable

⁽¹⁾ measured at maximum limit of static application range, q = 2

⁽²⁾ Test according to DIN 53513

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

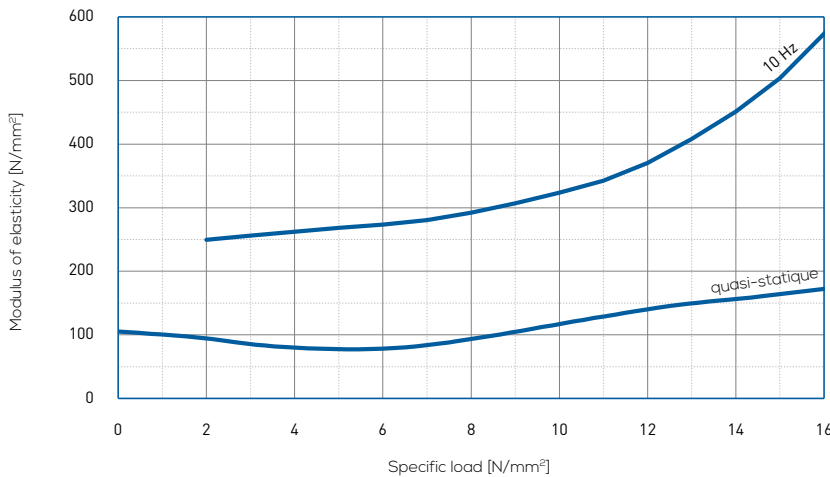
Spring characteristic



Recording of the 3rd loading; testing between flat steel plates at room temperature with abrasive cloth of the Grit K120.

Test speed $v = 1.2 \text{ N/mm}^2 / \text{s}$
Form factor $q = 2$

Modulus of elasticity

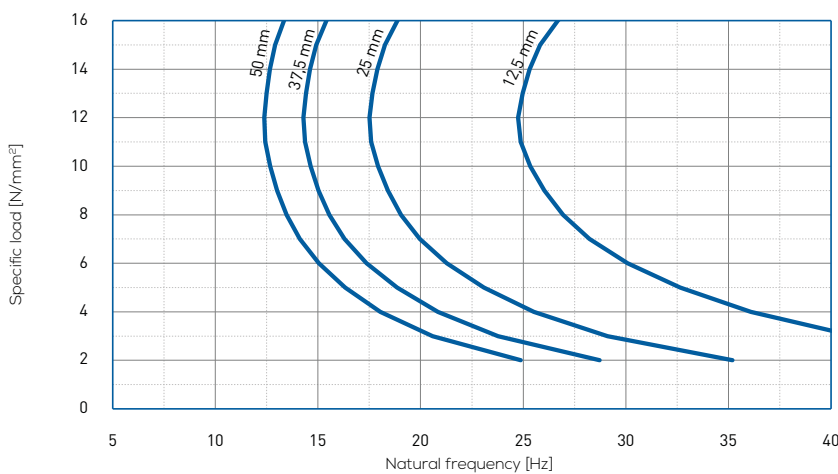


Dynamic test: harmonic excitation with an amplitude of $\pm 0.11 \text{ mm}$ at 10 Hz

Quasistatic modulus of elasticity:
Tangent modulus from the spring characteristic.

Measurement based on DIN 53513
Form factor $q = 2$

Natural frequency



Natural frequency of a system consisting of a compact mass and an elastic one Bearing made of PURASYS vibradyn HL 12000 on solid ground.

Form factor $q = 2$