

# bwz<sup>®</sup> - body noise insulators

To isolation the noises against the building increase strong at the economical expense for elemente with lower nominal frequency We are in a position to, in effect and price attractive elements to offer.

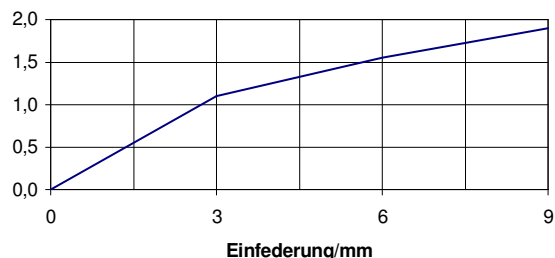
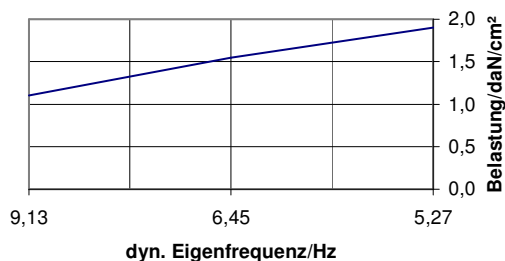
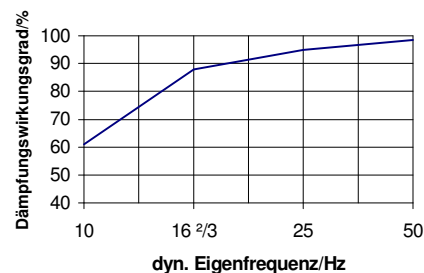
With Cellasto<sup>®</sup>, one cellular polyurethane (pure) - elastomeric can insulating elements with nominal frequencys in the range lower as 10 Hz get realized. Ancillary his expected mechanical characteristics are qualified Cellasto<sup>®</sup> also about his volume - compressibility, great impact strength, high abrasion fastness, constancy against ozone, oil, greases and benzine for vibration damping isolations.



bwz uses with very good success Cellasto<sup>®</sup> in the isolation building technical facilities for climate, power supply, water preparation and for the isolation measurement technology apparats and facilities in the production near range with lower net mass, or also against noise of footsteps influences. The material get soft to low frequency insulators in sandwich construction in the compound with 90°Shorematerial NBR9014, or NBR8515 stick together with antiskid profile. The NBR plate serves as a stabilizer and to improved areas load distribution. The element height amounts in the unladen condition 58 mm.

Characteristics of Cellasto<sup>®</sup>:  
 Density 350 g/dm<sup>3</sup> max. plates dimension 500x250x30 mm  
 max. allowable load pressure:  
 static 2 daN/cm<sup>2</sup> dynamic 40 daN/cm<sup>2</sup>  
 best damping between 1, 4 and 1, 8 daN/cm<sup>2</sup>

Ancillary standing diagram shows the accessible degree of effectiveness for damping (%).



You dimensioning self:

At one areas load of 1, 9 daN/cm<sup>2</sup> adjust itself 30% statical deflection as a working point. Put itself the nominal frequency for this charge at ca. 5,27 Hz a. With calculate you from the total weight power 1, 9 daN/cm<sup>2</sup> the necessary total square and you divide this on the number of the bearing points on. You determine the square measures from the geometry of the bearing areas of the machine. This lesser cutting dimensions should 60x60 mm not fall short of. Until to the pressure charge 1, 9 daN/cm<sup>2</sup> get at first the porosities volume and over that the material clinched with progressive stiffness. With bolted through screw connections get deflection and nominal frequency over the bias pressuree adjustable. Areas dimensiones are then free selectable.

Order example: for a charge of 270daN per bearing point will be dimensioned 4 piece insulating blocks by the dimensions 100x150x60 mm with doublesided anti sliding profile bwz - body noise insulator NBR8515/ Cellasto<sup>®</sup> /NBR8515 100x150x60 mm



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