**DYNAMIC CHARACTERISTICS**

**ANTIVIBRATION ELASTIC PAD**

*Vibro - EP blue*

*(12,5x12,5x2,5cm)*

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1. **LOAD - DEFLECTION CURVES**

   ![Load Deflection Curves](image1)

2. **LOAD - NATURAL FREQUENCY CURVES**

   ![Load Natural Frequency Curves](image2)

3. **VIBRATION REDUCTION CHART**

   ![Vibration Reduction Chart](image3)

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**SELECTION METHOD**

We check the deflection (mm), for different number of layers, in combination with the assessed load (Kg) per mounting point (chart 1). Then we calculate (chart 2) the natural frequency, \( f_n = \frac{1}{2\pi} \sqrt{\frac{F}{M}} \) of the antivibration pad for every number of layers.

From chart 3, with the assessed excitation frequency of the machine \( (fe = \text{rpm} / 60) \) and the natural frequency from chart 2, we calculate the % theoretical vibration reduction (efficiency, \( n \)).

*For achieving optimum results in special applications, we recommend to contact our technical department for selecting the best antivibration solution.*

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* (The tests were measured according the EN 826-97 at National State Laboratories ) 9 - 2005