■**Vibration Damping Proofing Antivibration Materials Selection Chart**
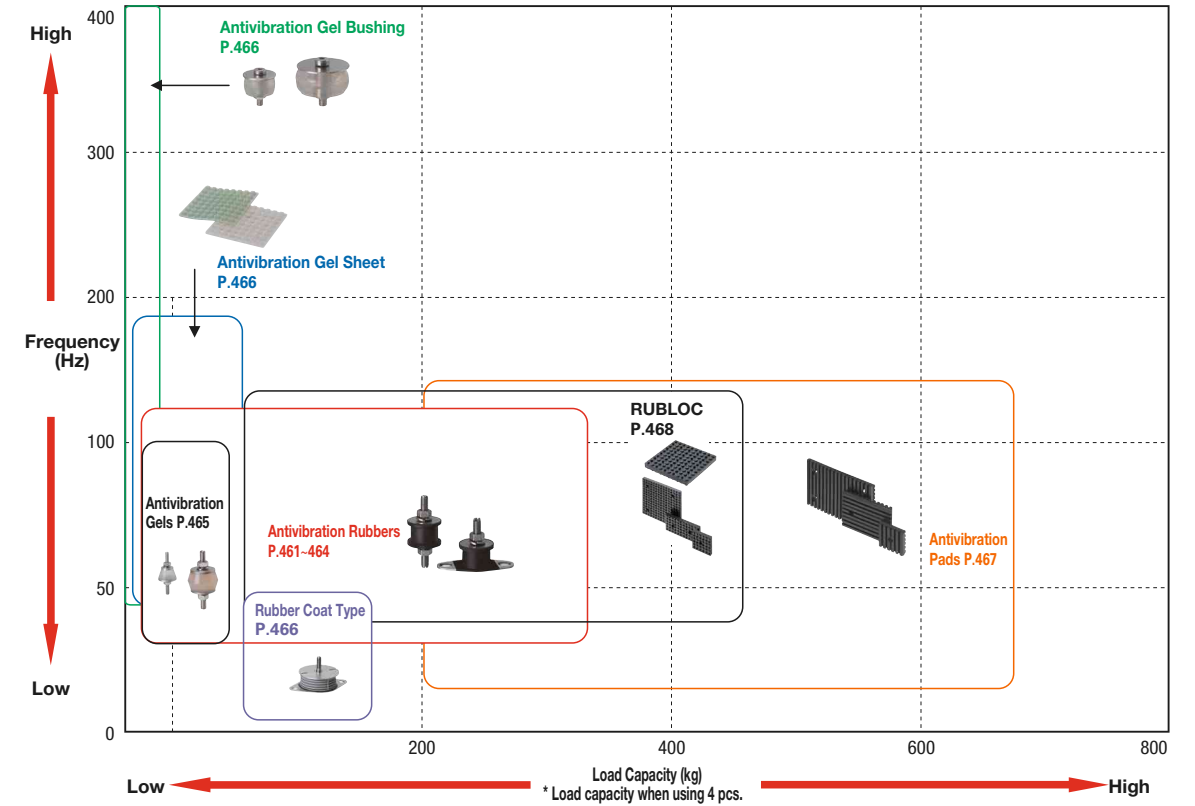
■**Antivibration Materials**

Selection Methods for Antivibration Gel Sheet, Antivibration Pads (P.466, 467, 468) and Antivibration Gel, Antivibration Rubber (P.465, 461~ 464)
Select the antivibration material by referring to the table above, and then determine the nominal by referring vibration transmissibility data of each product.
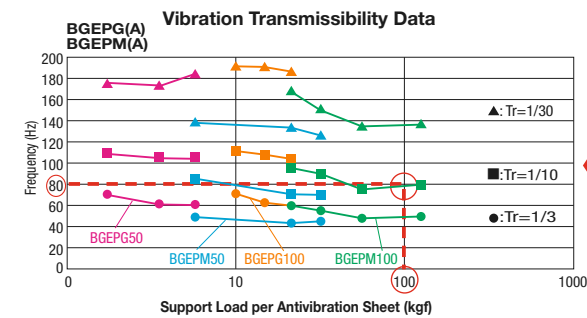
■**Vibration Transmissibility Data**

Antivibration effects of antivibration material (Tr= Vibration Transmissibility) depend on load and characteristic frequency of supported object (natural frequency).
Graphs on each page have been generated by calculating the expected antivibration effects from the support load per antivibration material and the frequency of the supported object.
Select the optimal antivibration materials according to the following instruction.

1. Find out the support load = _____ (kgf) for each antivibration material.
   Evaluate the frequency= _____ (Hz) of the subject of antivibration.
   $\left(\begin{array}{l}\text{Frequency = Number of Vibration per Second}\\ \text{When motor speed is 4800rpm, 4800(rpm)/60(s)=80(Hz)}\end{array}\right)$

2. By plotting the value 1 on the graph, useable antivibration material type and vibration transmissibility (Tr) can be found.

   Ex. Support Load for Each Antivibration Material = 100(kgf)
      Frequency of Antivibration Object = 80(Hz)
      When BGEPM100 is selected, the vibration transmissibility will approximately be 1/10.

Vibration Transmissibility Data

More antivibration effects can be expected from smaller Tr (vibration transmissibility) values.

▲: Tr=1/30
■: Tr=1/10
●: Tr=1/3

Tr=1/30 means to suppress the vibration to 1/30
Tr=1/3 means to suppress the vibration to 1/3