



Benefits

- **Excellent dampening and isolation characteristics with high load bearing characteristics.**
- **Extensive independent testing conducted by the "Institute of Structural Dynamics" at the Technical University of Dresden**
- **Maximum load bearing capacity - 0.8N/mm² (80000kg/m²).**
- **Completely recyclable and can therefore compliment companies "Environmental Policies" .**
- **No expensive mechanical parts.**
- **Supplied in easy to lay rolls or can be individually cut into pads/strips to suit exact installation.**
- **Quick and easy to install.**
- **If using adhesive, virtually eliminates the need for anchor bolts, thus reducing floor damage.**
- **Enables flexibility of floor layout.**

Description

Regupol® RAV500 is a high load bearing, yet cost effective polyurethane bound rubber granulate material developed and formulated to dampen and/or isolate noise and vibrations at source and has been developed for not only the machinery mounting industry, but also has extensive applications within the civils and structural engineering industries due to its high load bearing capacity of 0.8N/mm². **Regupol® RAV500** will retain its performance properties throughout a long and maintenance free lifespan assuming the material does not exceed a load bearing capacity of 0.8N/mm². **Regupol® RAV500** is also 100% recyclable.

Physical Information

Roll Dimensions 8m x 1.25m
 Standard Thickness 10mm (other thicknesses are available upon request).
 Individual Pad/Strips can be supplied upon request.

Technical Information

Max. Load Bearing Capacity	0.8N/mm ²
Roll/Sheet Sizes	8m x 1.25m
Temperature Resistance	-40° up to +110°C (Short Term)
Static Modulus of Elasticity	2.50 - 5.50N/mm ²
Dynamic Modulus of Elasticity*	3.0 - 8.8N/mm ²
Compression Set to DIN 53572**	Approx. 5.90%
Tensile Strength to DIN 53571	Min. 0.90N/mm ²
Elongation at Break to DIN 53571	Min. 85%
Tear Resistance to DIN 53515	Min. 8.0N/mm

*Figures dependent upon load and natural frequency and material thickness

**Measured 30 minutes after decompression with 50% deformation @ 23°C after 72 hours

See overleaf for performance graphs.

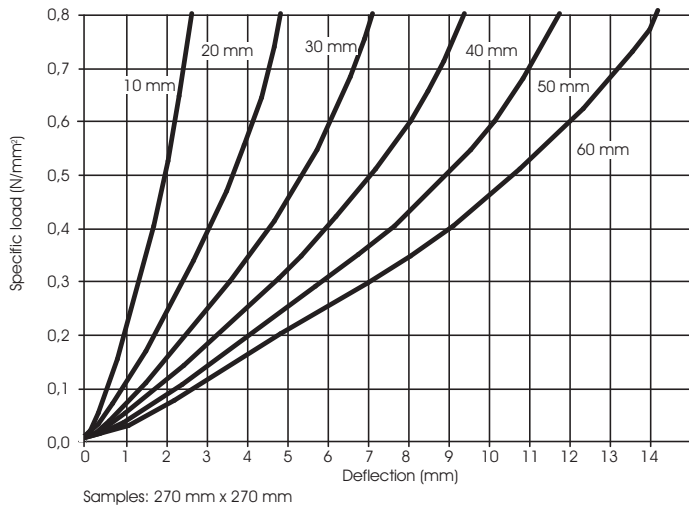
Applications

Regupol® RAV500 has a multitude of applications and can be used in both non-critical and critical areas whether for dampening or isolation of noise and vibrations respectively and can be used for:

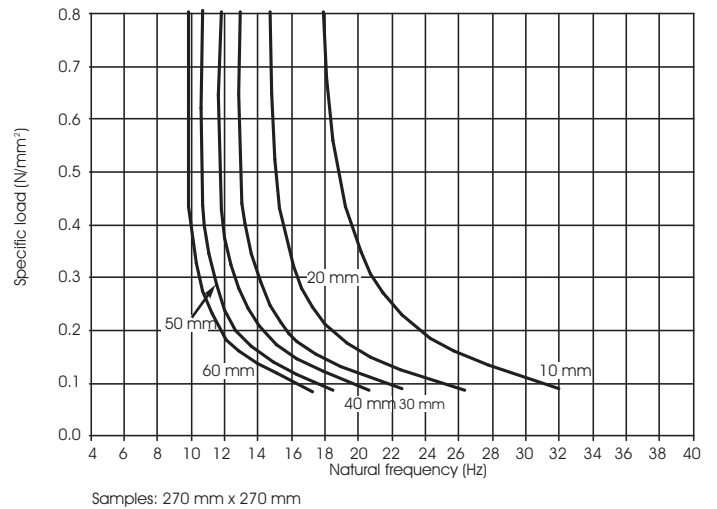
- Heavy Plant
- Inertia Pits
- Machinery with out of balance forces e.g. Lathes, Pillar Drills, Shapers, Saws,
- Machinery with vertical shock loads, e.g. Guillotines, Power Presses
- Sensitive areas such as Laboratories, Nano-sensitive Equipment
- Structural Isolation
- Foundation Isolation
- Isolation of Partition Walls, both timber and metal.
- Suitable for Road and Tunnel construction

For information relating to specific applications and the correct adhesive, please contact CMS Vibration Solutions Technical Department.

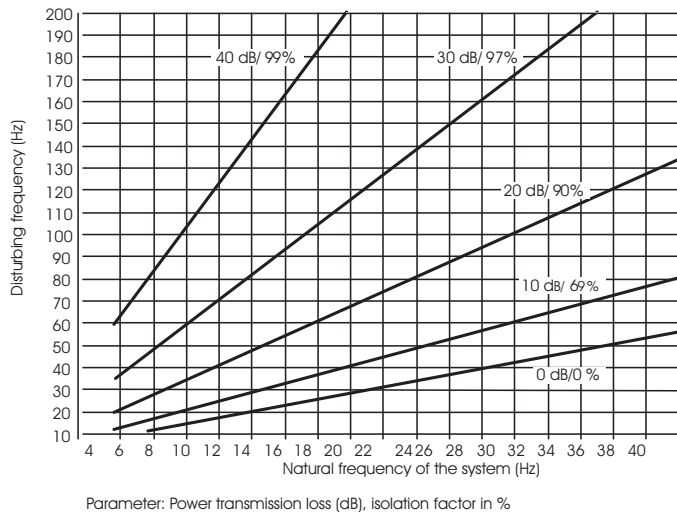
Load Deflection



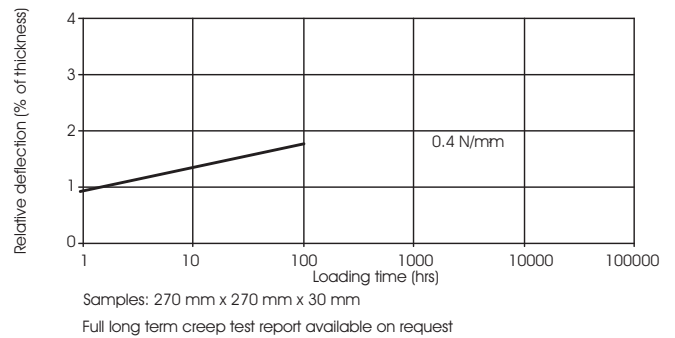
Natural Frequency



Vibration Insulation



Long-term Creep



Installation Service

In addition to supply of this product CMS Vibration Solutions offers a competitively priced installation service anywhere in the UK. Use of our service ensures that installation is performed to the highest standards by tradesmen fully experienced in the specialist skills of fitting vibration isolation materials correctly. For further details contact our technical team on 01925 582899.

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