



## Benefits

- **Excellent dampening and isolation characteristics with one side dimpled to further enhance the performance properties.**
- **Extensive independent testing conducted by the "Institute of Structural Dynamics" at the Technical University of Dresden**
- **Maximum load bearing capacity - 0.05N/mm<sup>2</sup> (5000kg/m<sup>2</sup>).**
- **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® RAV100** is a high performing, yet cost effective polyurethane bound rubber granulate material developed and formulated to dampen and/or isolate noise and vibrations at source and has been specifically developed for the machinery mounting industry. **Regupol® RAV100** is different to all other **Regupol®** anti-vibration products in that it has a dimpled surface on one side giving the material excellent isolation characteristics under light loads. **Regupol® RAV100** will retain its performance properties throughout a long and maintenance free lifespan and can withstand loads of up to 0.05N/mm<sup>2</sup>. **Regupol® RAV100** is also 100% recyclable.

## Physical Information

Roll Dimensions 10m x 1.25m  
 Standard Thickness 17mm with dimpled surface one side  
 Individual Pad/Strips can be supplied upon request.

## Technical Information

Max. Load Bearing Capacity	0.05N/mm <sup>2</sup>
Roll/Sheet Sizes	10m x 1.25m
Temperature Resistance	-40° up to +110°C (Short Term)
Static Modulus of Elasticity	0.10 - 0.44N/mm <sup>2</sup>
Dynamic Modulus of Elasticity*	0.15 - 1.1N/mm <sup>2</sup>
Compression Set to DIN 53572**	Approx. 4.10%
Tensile Strength to DIN 53571	Min. 0.30N/mm <sup>2</sup>
Elongation at Break to DIN 53571	Min. 60%
Tear Resistance to DIN 53515	Min. 3.0N/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.

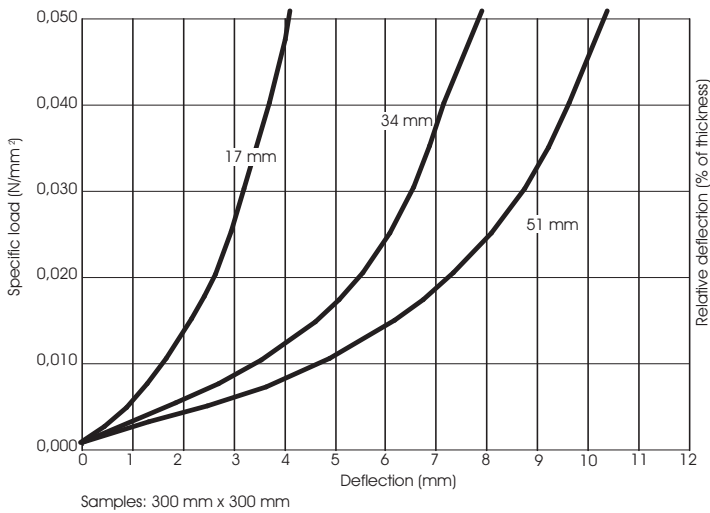
## Applications

**Regupol® RAV100** has a multitude of applications where damping or isolation of structural vibration or noise is required. Typical applications include:

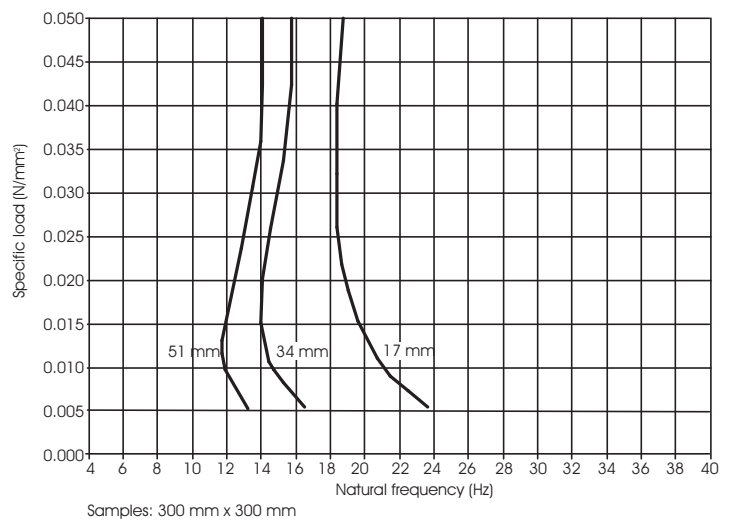
- Lift Motors
- Pumps
- Air Conditioning Units (ACU's)
- Refrigeration Units
- Inertia Pits
- Machinery with out of balance forces e.g. Lathes, Pillar Drills, Shapers, Saws
- Floating floors

For information relating to specific applications and the correct adhesive, please contact CMS Vibration Solutions Technical Department. To aid in the correct material being recommended, please provide as much information on the application as possible, such as weight of machine, motor speed (RPM) and channel, plinth or individual footprint dimensions.

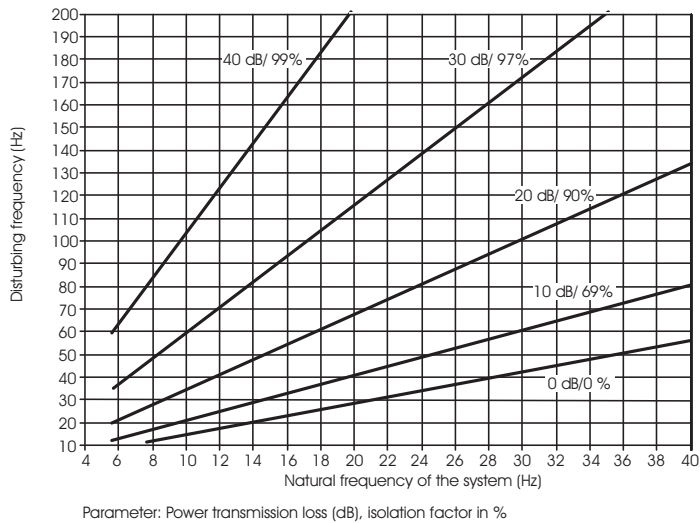
## Load Deflection



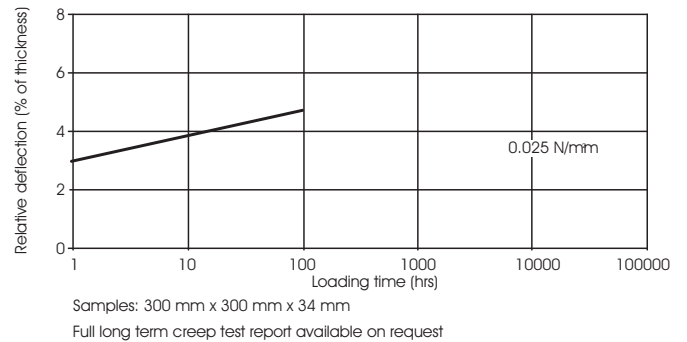
## Natural Frequency



## 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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