



Benefits

- **Excellent dampening and isolation characteristics with one side dimpled to further enhance the acoustic properties.**
- **Extensive independent testing conducted by the "Institute of Structural Dynamics" at the Technical University of Dresden**
- **Maximum load bearing capacity - 0.05N/mm² (5000kg/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® 6010BA 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® 6010BA** is different to all other **Regupol®** anti-vibration products in that it has a dimpled surface on one side giving the material excellent acoustic characteristics under light loads. **Regupol® 6010BA** will retain its acoustic properties throughout a long and maintenance free lifespan and can withstand loads of up to 0.05N/mm² and is 100% recyclable.

Physical Information

Roll Dimensions 10m x 1.25m
 Standard Thickness 17mm (dimpled surface one side)(other thicknesses are available upon request)
 Individual Pad/Strips can be supplied upon request.

Technical Information

Max. Load Bearing Capacity 0.05N/mm²
 Roll/Sheet Sizes 10m x 1.25m
 Temperature Resistance -40° up to +110°C (Short Term)
 Static Modulus of Elasticity 0.10 - 0.44N/mm²
 Dynamic Modulus of Elasticity* 0.15 - 1.1N/mm²
 Compression Set to DIN 53572** Approx. 4.10%
 Tensile Strength to DIN 53571 Min. 0.30N/mm²
 Elongation at Break to DIN 53571 Min. 60%
 Tear Resistance to DIN 53515 Min. 3.0N/mm
 Flammability Class B2

*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

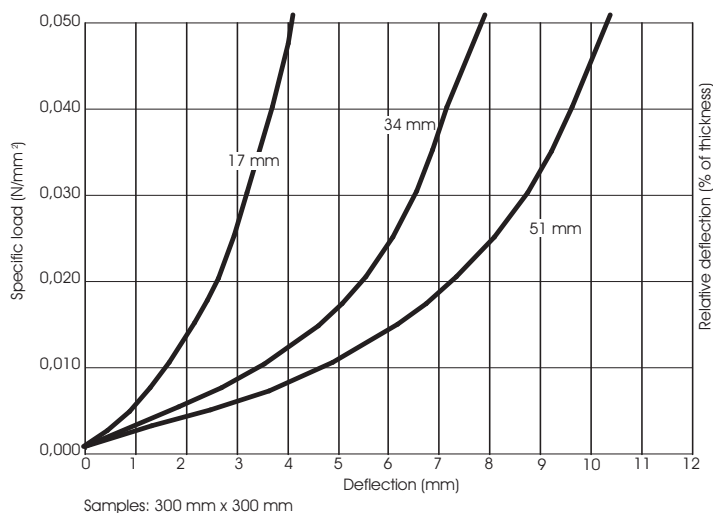
Regupol® 6010BA has a multitude of applications and can be used in both non-critical and critical areas whether for dampening or isolation of noise and vibrations respectively and has been used for:

- 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
- Machinery with vertical shock loads, e.g. Guillotines, Power Presses
- Sensitive areas such as Laboratories, nano sensitive equipment

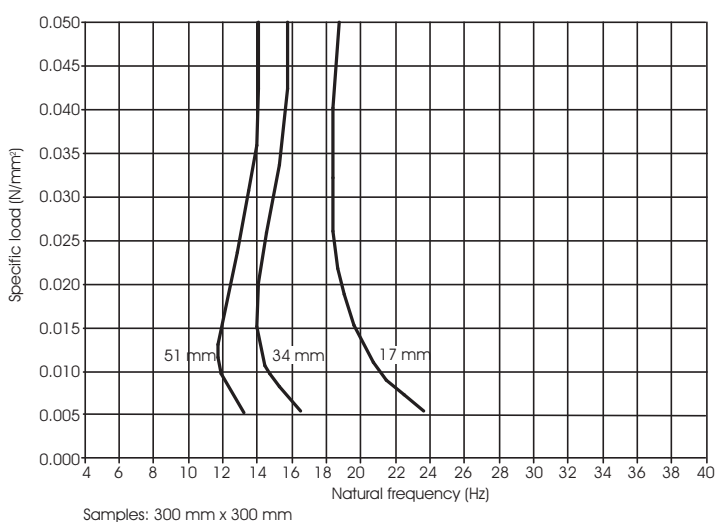
For information relating to specific applications, please contact CMS Acoustic Solutions Technical Department. To aid in the correct material being recommended, please provide as much information on the application as possible, such as weight of machine, motor speed (RPM) and channel, plinth or individual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

Information relating to the correct adhesive can be sought from CMS Acoustic Solutions Technical Department.

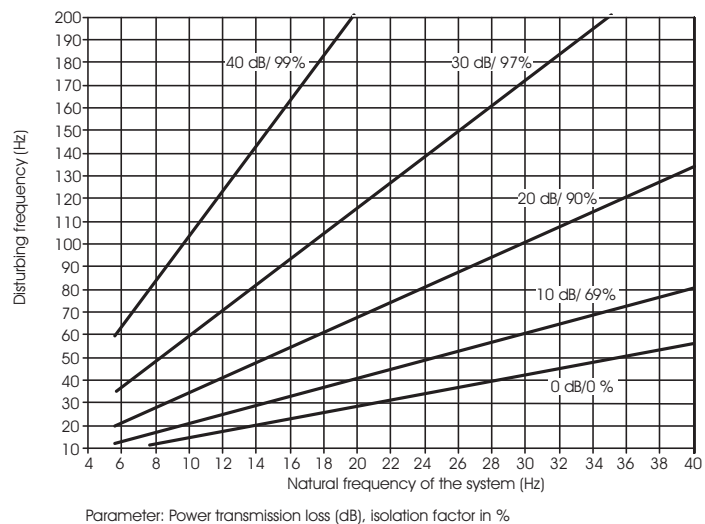
Load Deflection



Natural Frequency



Vibration Insulation



Long-term Creep

