



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® 6010XHT 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 industry due to its high load bearing capacity of 0.8N/mm². **Regupol® 6010XHT** will retain its acoustic properties throughout a long and maintenance free lifespan assuming the material does not exceed a load bearing capacity of 0.8N/mm². **Regupol® 6010XHT** 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
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

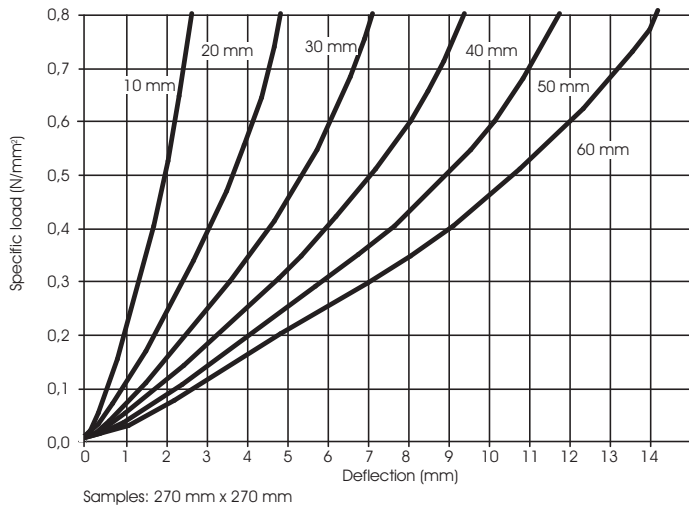
Regupol® 6010XHT has a multitude of applications and can be used in both non-critical and critical areas whether for dampening or isolation of noise and vibrations respectively and can be used for:

- 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

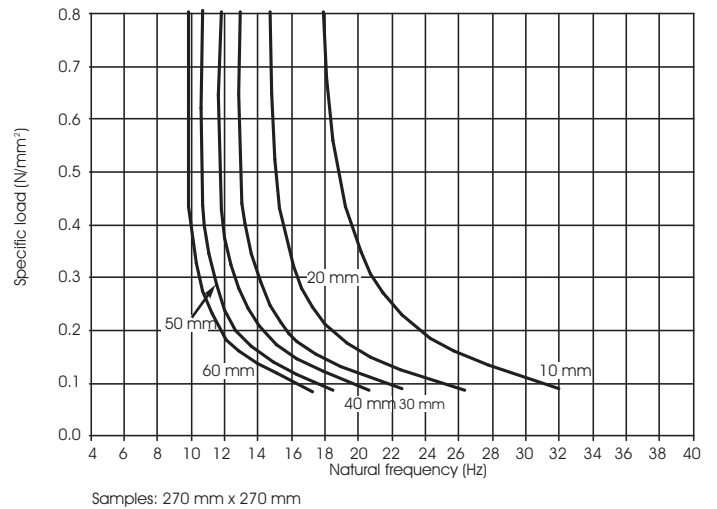
For information relating to specific applications, please contact CMS Acoustic Solutions Technical Department.

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

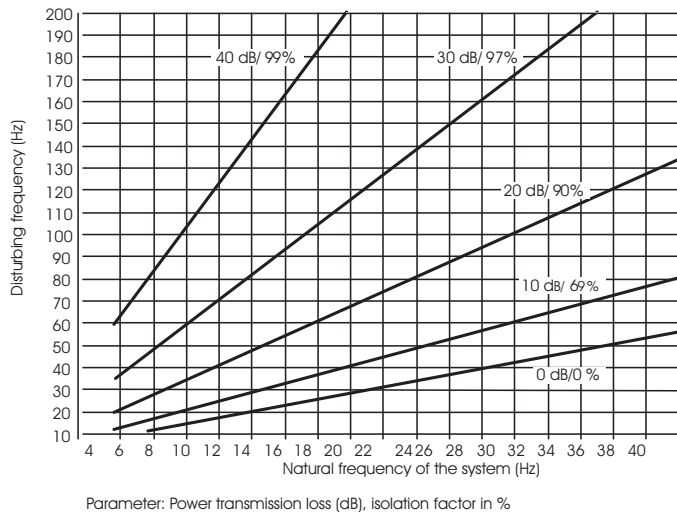
Load Deflection



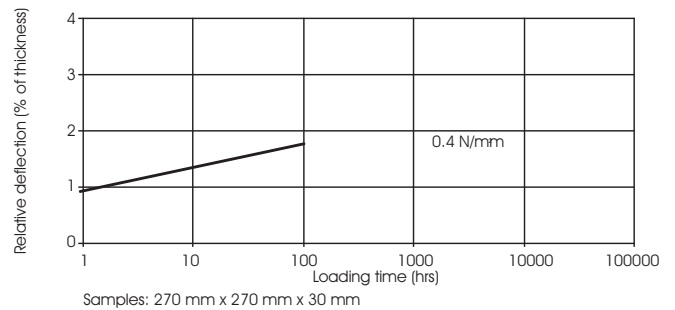
Natural Frequency



Vibration Insulation



Long-term Creep



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IMPORTANT: Directions for use are given for guidance only and are not intended to form part of any contract. They should be varied or adapted to suit your particular materials or conditions of use. Goods supplied by the company are made to approved standards from the highest quality raw materials but no warranty or guarantee is given as to their suitability for any particular purpose or application, and no liability is accepted for any loss or damage arising directly or indirectly from the use of the Company's products irrespective of any information given to us as to intended use of such products. It is therefore recommended that prospective users should test a sample of this product under their own conditions to satisfy themselves that the product is suitable for the purpose intended.