

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
- Proven to exceed building regulation standards worldwide, including UK Building Regulations Part E
- Excellent impact and airborne performance
- Maximum load bearing capacity – 0.05N/mm² (5000kg/m²)
- Minimal creep, even under high loads
- Supplied in easy to lay rolls or can be individually cut into pads/strips to suit exact installation
- Quick and easy to install
- 100% recyclable
- Zero ozone depletion potential (ODP) and zero global warming potential (GWP)

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.



Physical Information

Roll dimensions*	10m x 1.25m
Standard thickness	17mm with dimpled surface one side

**Individual pad/strips can be supplied on request.*

Technical Information

Maximum load bearing capacity	0.05N/mm ²
Temperature resistance	-40° up to +110°C (Short term)
Static Modulus of Elasticity similar to EN826	0.10 – 0.44N/mm ²
Dynamic Modulus of Elasticity to DIN 53513*	0.15 – 1.1N/mm ²
Compression set to DIN 53572**	Approximately 4.10%
Tensile strength to DIN 53571	Minimum 0.30N/mm ²
Elongation at break to DIN 53571	Minimum 60%
Tear resistance to DIN 53515	Minimum 3.0N/mm
Airborne sound insulation	(D _{nt,w} + C _{tr}) 65dB
Impact sound insulation	(L' _{nt,w} (C _i)) 38dB
ΔL _w (impact improvement)	43dB (BS EN ISO 140-8:1998)

**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.

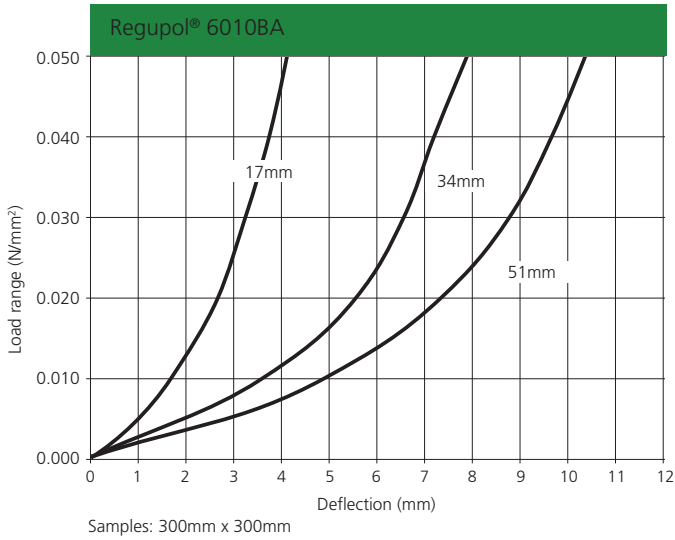
Applications

Regupol® 6010BA has a multitude of applications where dampening or isolation of structural vibration or noise is required. Typical applications include:

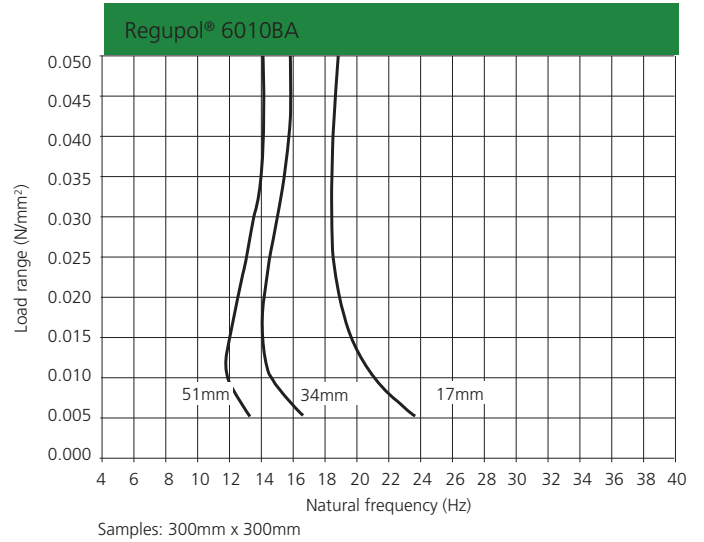
- Lift motors
- Pumps
- Air conditioning units (ACU's)
- Refrigeration units
- Inertia plinths
- Concrete floating floors
- Bowling alleys & cinemas
- Plant room floors & plinths
- Air handling units (AHU's)
- Gymnasiums & aerobics rooms

For information relating to specific applications and the correct adhesive, please contact TVS technical services. 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.

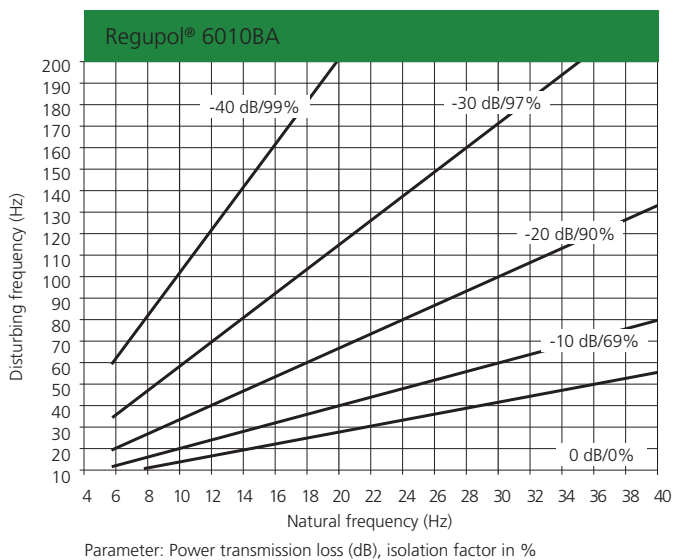
Load Deflection



Natural Frequency



Vibration Isolation



Long-term Creep Test

