

# MEGAPOINT

## VIBRATION CONTROL



VIBRATION INSULATION PANEL MADE OF END-OF-LIFE TYRES RUBBER GRANULES AND FIBRES

### ■ TECHNICAL SPECIFICATION

Anti-vibration material supplied in panels, with a dimpled shape on one side with a thickness of 25 mm, made of rubber granules and fibres from End-of-Life Tyres (ELTs) compacted using a polyurethane binder in a hot process. A non-woven, non-stretch synthetic membrane is applied on one side of panel, for added protection; total superficial weight is 11 kg/m<sup>2</sup>. Panels dimensions are m 1,2 length, m 0,80 width. To be used for static and dynamic loads up to 0.05 N/mm<sup>2</sup>.



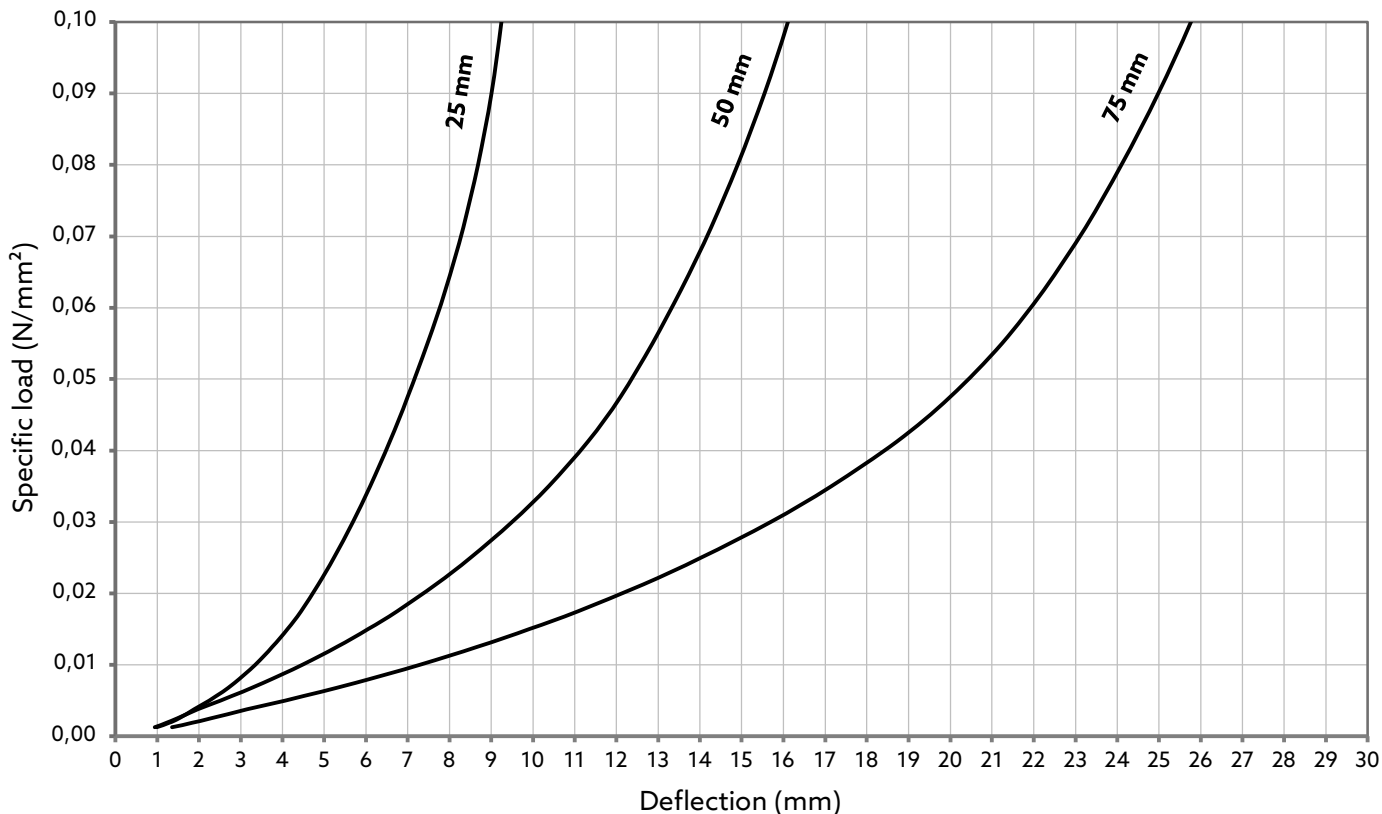
### ■ APPLICATION AREA

Application fields	Load	Deformation
Static	up to 0,005 N/mm <sup>2</sup>	~ 10%
Static and Dynamic	up to 0,05 N/mm <sup>2</sup>	~ 30%
Load peaks (short time)	up to 0,15 N/mm <sup>2</sup>	~ 40%

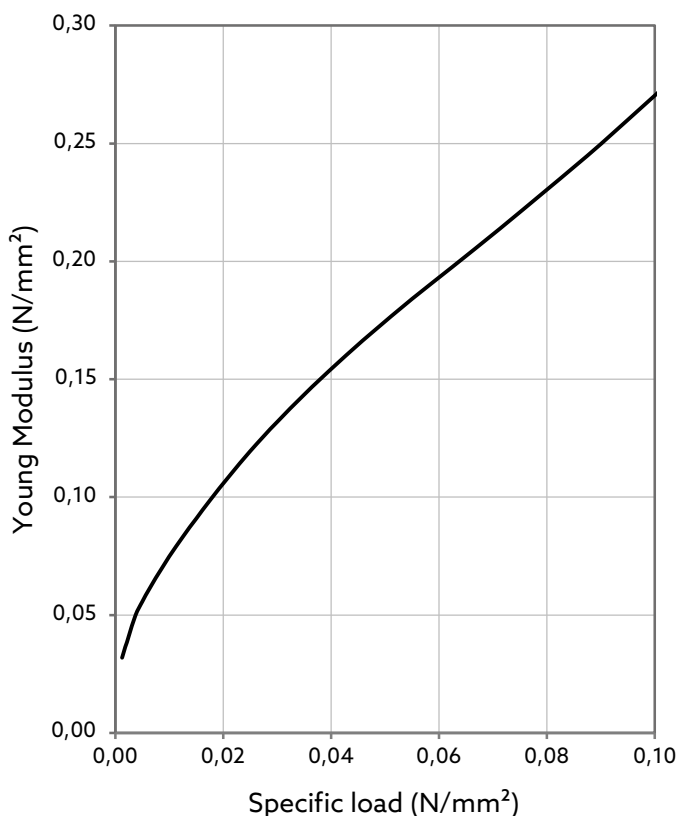
### ■ TECHNICAL DATA

		Tolerance	Standard
Thickness	25 mm	± 2	
Length	1,20 m	± 2%	
Width	0,80 m	± 2%	
Superficial weight	11 kg/m <sup>2</sup>	± 10%	
Stress at strain 10%	0,006 N/mm <sup>2</sup>	± 10%	UNI EN ISO 29470
Static Modulus of Elasticity (Es) - strain 10%	0,06 N/mm <sup>2</sup>	± 10%	UNI EN ISO 29470
Dynamic Modulus of Elasticity (Ed) - strain 10%	0,30 N/mm <sup>2</sup>	± 10%	
Loss factor (η)	0,147	± 10%	
Thermal conductivity coefficient (λ)	0,120		UNI EN 12668
Inflammability	E		UNI EN 13501-2

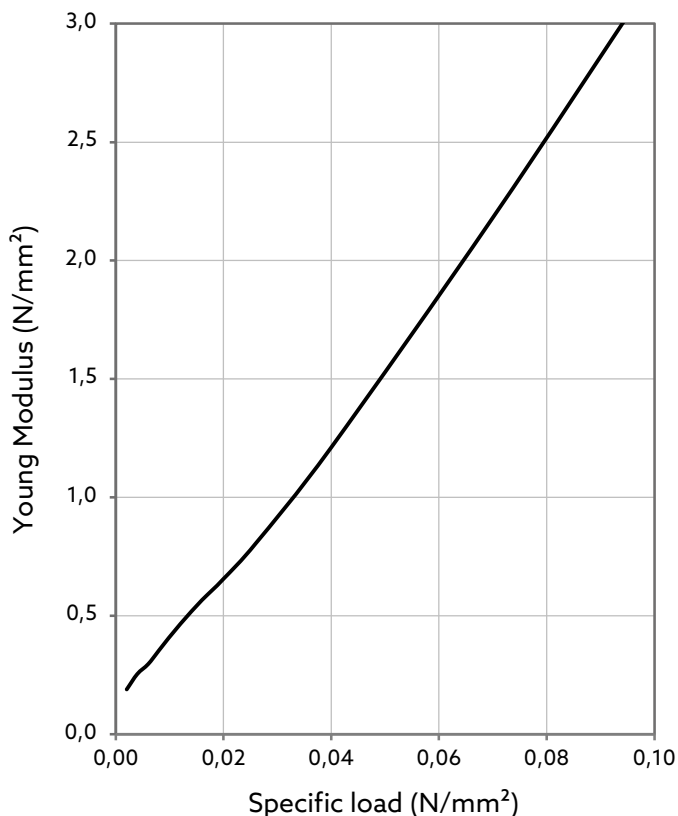
LOAD DEFLECTION CURVE



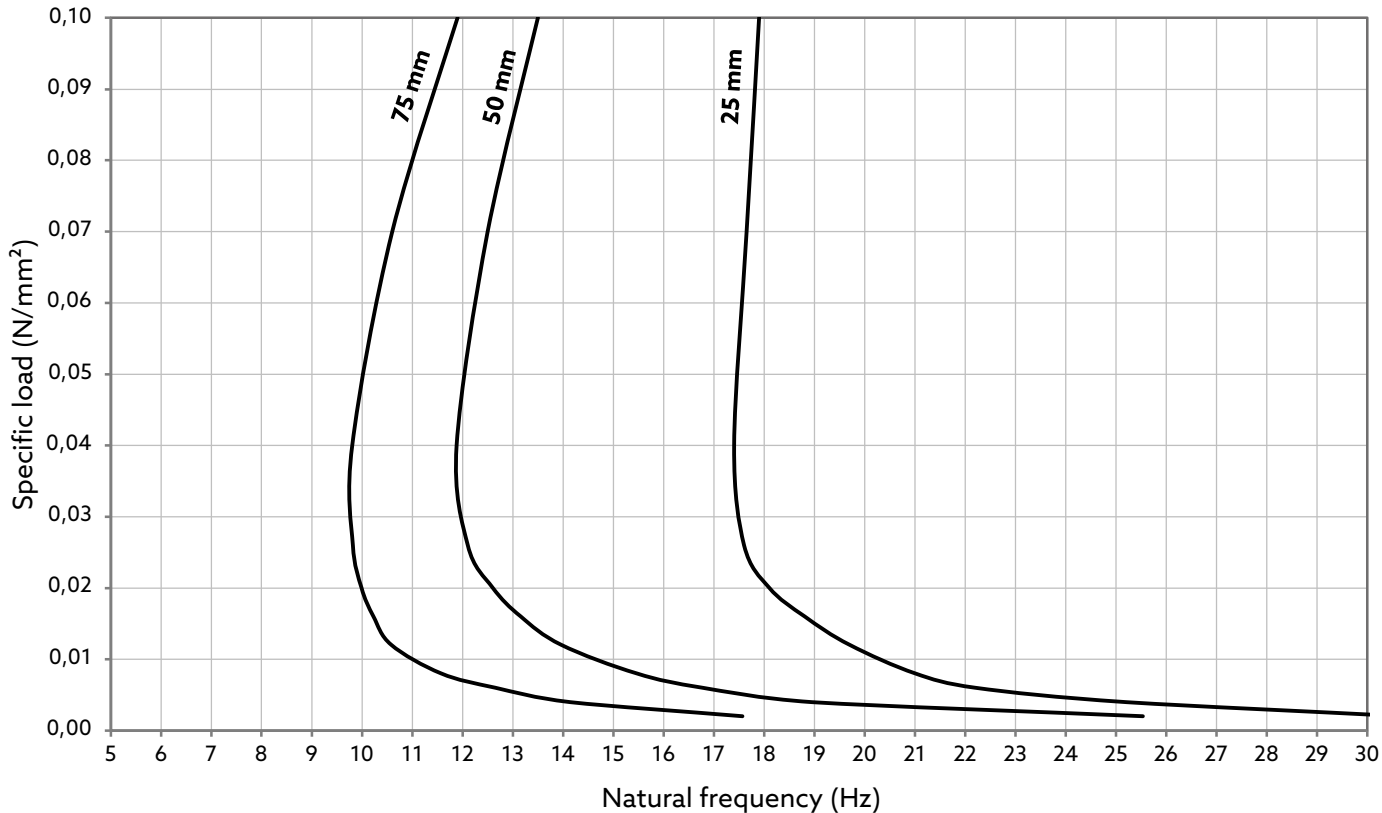
STATIC MODULUS OF ELASTICITY



DYNAMIC MODULUS OF ELASTICITY



**NATURAL FREQUENCY**



**VIBRATION ISOLATION EFFICIENCY**

