



Elastomer NOVODAMP®

NOVODAMP® Closed-Cell Polyurethane is the premium solution for elastic support and vibration isolation for buildings and rail infrastructure. Developed and manufactured in Germany under the strictest quality controls, NOVODAMP® ensures durable, reliable, and precisely engineered performance for demanding applications.

NOVODAMP® T025

NOVODAMP® Closed-Cell Polyurethane T025 is the premium solution for elastic support and vibration isolation in buildings, rail infrastructure, and mass-spring systems. Developed and manufactured in Germany under the strictest quality controls, NOVODAMP® ensures durable, reliable, and precisely engineered performance for demanding applications.

Product Characteristics

Nominal static load capacity:

- Shape factor 6.0: 0.21 N/mm²
- Shape factor 3.0: 0.20 N/mm²
- Shape factor 1.5: 0.19 N/mm²

Dynamic load capacity:

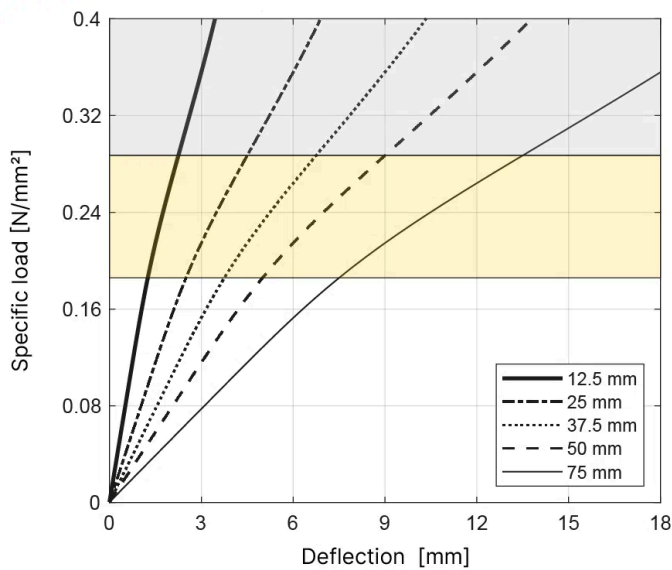
- Shape factor 6.0: 0.32 N/mm²
- Shape factor 3.0: 0.31 N/mm²
- Shape factor 1.5: 0.29 N/mm²

Product Applications

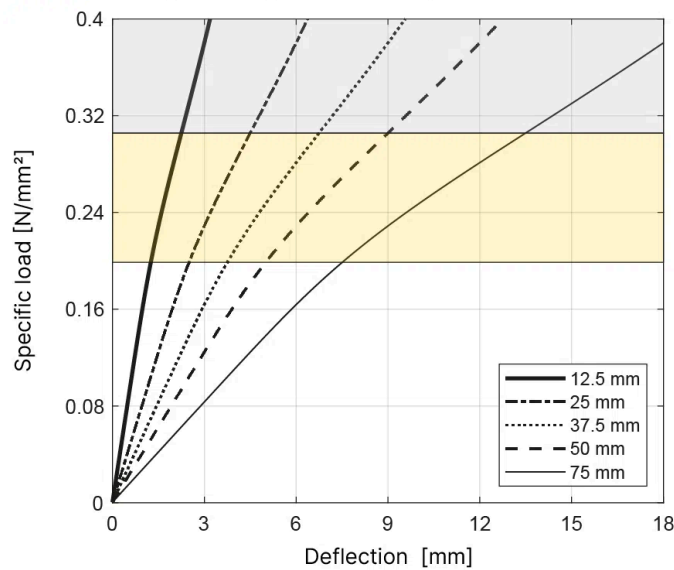
NOVODAMP® Closed-Cell Polyurethane T025 is the premium solution for elastic support and vibration isolation in rail infrastructure.

Technical Specifications

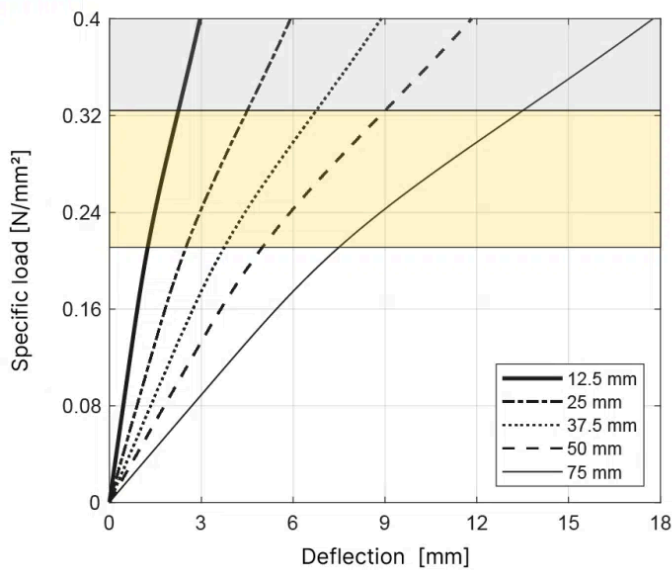
T025 Load deflection - Shape factor 1.5



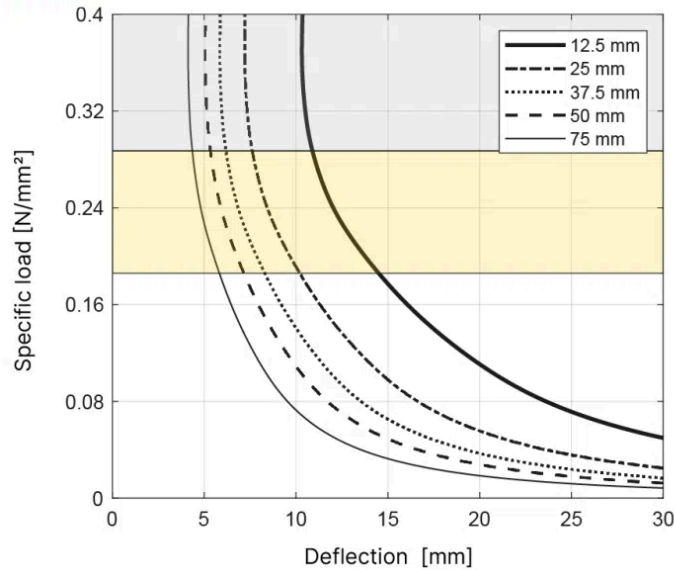
T025 Load deflection - Shape factor 3.0



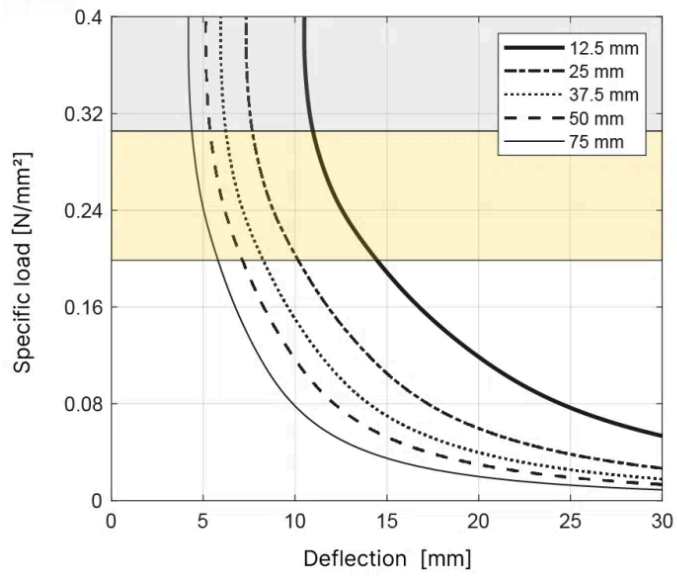
T025 Load deflection - Shape factor 6.0



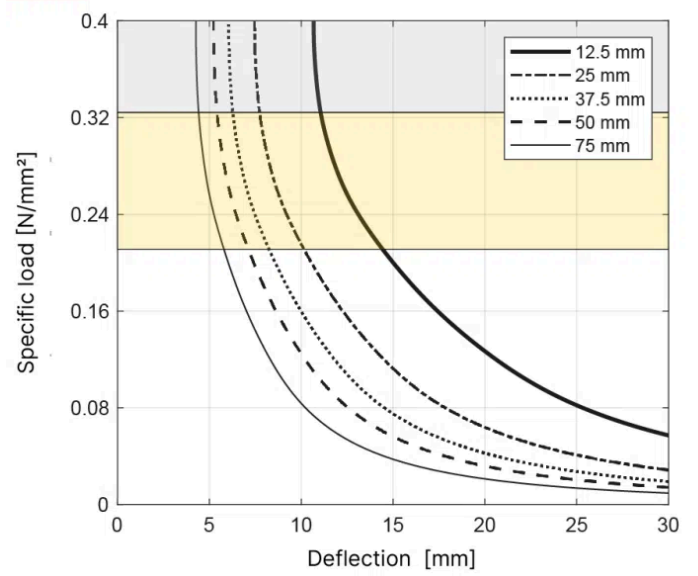
T025 Natural frequency - Shape factor 1.5



T025 Natural frequency - Shape factor 3.0



T025 Natural frequency - Shape factor 6.0



NOVODAMP® T025 properties

Permissible horizontal deformation:	~ 30 % of material thickness*
Horizontal stiffness:	~ 25 % of vertical stiffness*
Mechanical loss factor:	< 0.1 (DIN 53513; depending on frequency, amplitude, preload and temperature)
Operating temperature:	-25 °C to 55 °C
Flammability:	Class E (DIN EN ISO 11925-2), B2 (DIN 4102-1)
Specific volume resistance:	> 3 • 10 ⁸ Ωm (DIN EN 62631-3-1; for dry material)
*Design reference value	



Contact information

Sweden	Norway	Denmark	Estonia	Finland	India
+46 176207880 info@vibratec.se	+47 33070750 info@vibratec.no	+45 49132244 info@vibratec.dk	+372 56627990 info@vibratec.ee	+35 8402589117 palvelu@3di.fi	+91 7755996308 rc@vibratec.in

 vibratec.org/linkedin

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