



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® T018

NOVODAMP® Closed-Cell Polyurethane T018 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: 0.17 N/mm²
- Shape factor 3.0: 0.16 N/mm²
- Shape factor 1.5: 0.14 N/mm²

Dynamic load capacity:

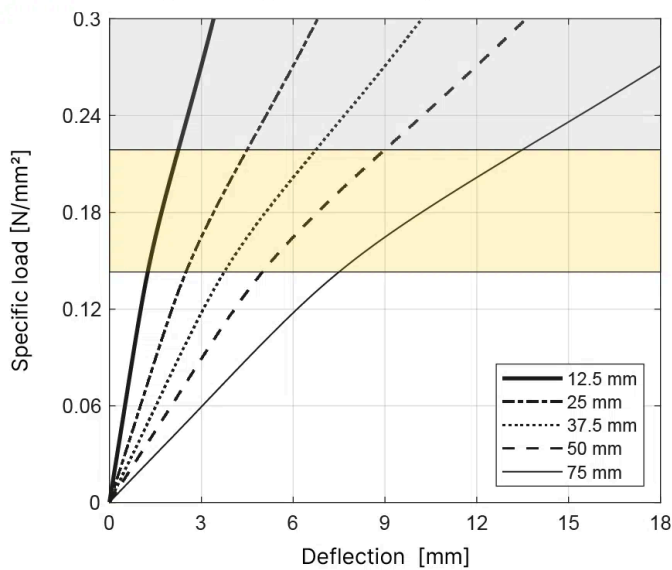
- Shape factor 6.0: 0.26 N/mm²
- Shape factor 3.0: 0.24 N/mm²
- Shape factor 1.5: 0.22 N/mm²

Product Applications

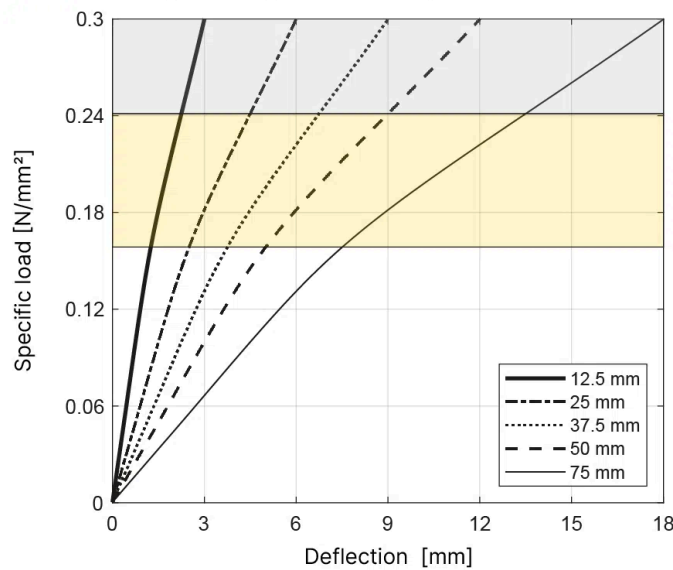
NOVODAMP® Closed-Cell Polyurethane T018 is the premium solution for elastic support and vibration isolation in rail infrastructure.

Technical Specifications

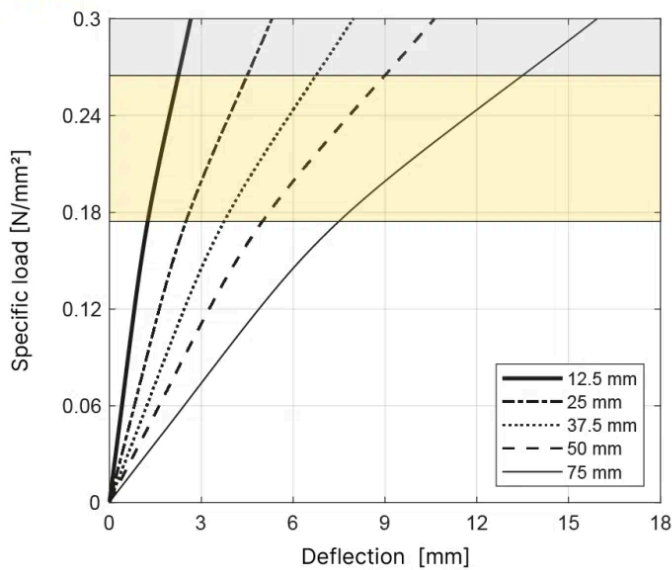
T018 Load deflection - Shape factor 1.5



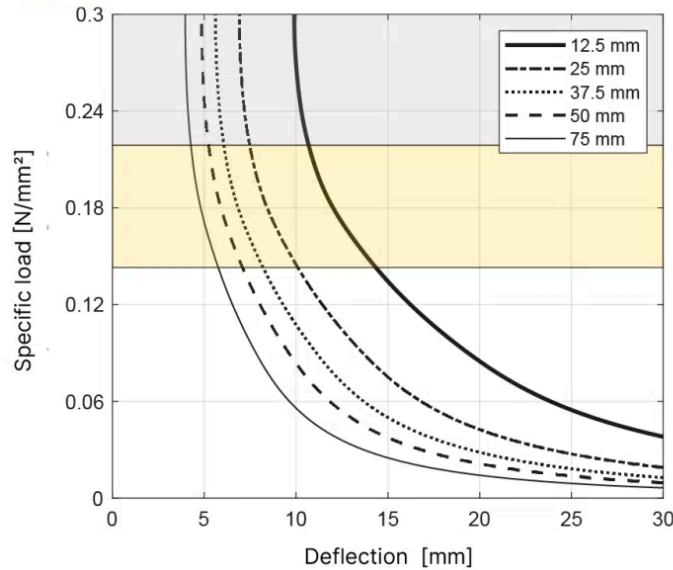
T018 Load deflection - Shape factor 3.0



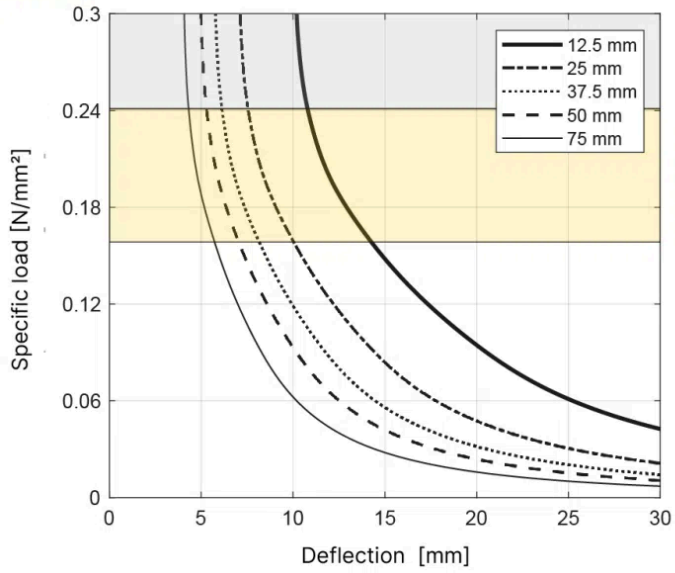
T018 Load deflection - Shape factor 6.0



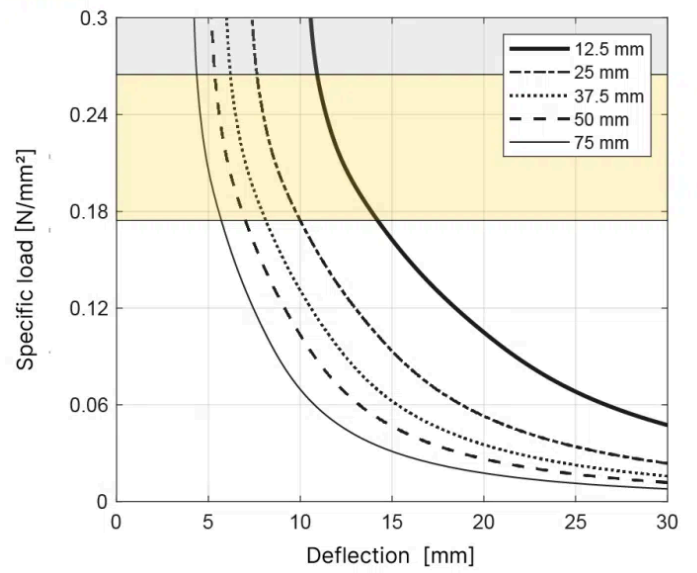
T018 Natural frequency - Shape factor 1.5



T018 Natural frequency - Shape factor 3.0



T018 Natural frequency - Shape factor 6.0



NOVODAMP® T018 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:	> 5 • 10 ⁸ Ωm (DIN EN 62631-3-1; for dry material)
*Design reference value	

Downloads



GERB NOVODAMP®
for Rail Isolation



Contact information

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