

PA Foam

Polyamide Foam with High Heat Resistance and Noise Reduction Properties



Lightweight



Safety / Comfort



Efficiency

Application Areas

- Automotive industry (car body parts, peripheral engine parts, NVH-solutions (Noise – Vibration – Harshness))
- Public transportation (airplane components, train components, acoustic parts)
- Other industries that require heat resistance and/or noise and weight reduction

Solution / Innovation for the Industry

- The world's only polyamide foam bead material (as of 2019)
- Features the high heat resistance properties of polyamide
- Sound insulation and absorption
- Weight saving compared to metal parts
- Complex and space-saving product design
- Processable on standard particle foam equipment



Round-shaped beads for applications in structural parts



C- or macaroni shaped beads for noise reducing applications

PA Foam is a material based on foamed beads. Made of polyamide, it features the high heat and solvent resistance of this engineering plastic.

In addition, the different shape of the beads allow for a broad application spectrum – especially in the automotive industry. The round shaped bead type features high rigidity and is therefore an alternative material for replacing metal in structural parts, contributing to lightweight.

PA Foam with C- or macaroni shaped beads is excellent for applications as a sound insulating and sound absorbing material, realizing a significant reduction in noise. This feature makes this material a perfect fit for applications in the engine and passenger compartment of cars.

Key Properties

- High heat resistance
- Oil and chemical resistance
- High mechanical strength
- Sound insulation and absorption