

SunForce™ AS

Polyamide Foam with High Heat Stability & Chemical / Oil resistant Properties

General Description

SunForce™ AS is a material based on particle 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. SunForce™ AS features a high rigidity and is therefore an alternative material for replacing metal in structural parts, contributing to lightweight.

In some cases SunForce™ AS is used for core parts, and combined with other material (e.g. metal plate, FRP, fabric etc.)

Application Areas

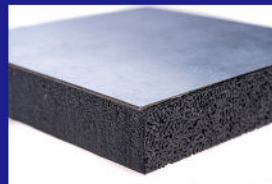
- Automotive industry (battery related parts, HVAC-solutions)
- Public transportation (airplane components, train components, railway infrastructure, electrical parts, seat parts)
- Other industries that require heat stability and/or oil resistance/low oil absorption

Material Properties

- High heat stability
- Oil and chemical resistance, low oil absorption
- High mechanical strength

Benefits For Customers

- Processable on standard particle foam molding machines
- Features the high heat resistance properties of polyamide
- Weight saving compared to metal parts
- Complex and space-saving product design



Combined metal plate and molded particle foamed beads