



SunForce™ BH

mPPE-Particle Foam For
Composite Core Applications

General Description

SunForce™ BH is a foam material combining the characteristics of modified polyphenylene ether (m-PPE) resin and foam beads. Its excellent designability and adhesive properties allow composite structures with various materials, such as resin or fiber materials, foils or metal, adding different properties and functions to the target application. Resin parts can be molded simultaneously with SunForce to increase the strength and overall aesthetics of the product. For certain resins that have good adhesion properties this composite application can also be achieved via heat sealing.

Material Properties

- Excellent designability and moldability
- Superior adhesive properties
- High mechanical strength
- High heat deflection temperature

Application Areas

- Automotive industry (exterior and interior parts, structural battery parts)
- Public transportation (airplane components, train components, railway infrastructure, electrical parts, seat parts)
- Other industries (E-wave applications)

Benefits For Customers

- Superior material for composite core applications
- Allows free combination with other surface materials, such as metal, fiber-reinforced plastic, thermoplastics, foils and textiles



SunForce™ can be combined with various materials