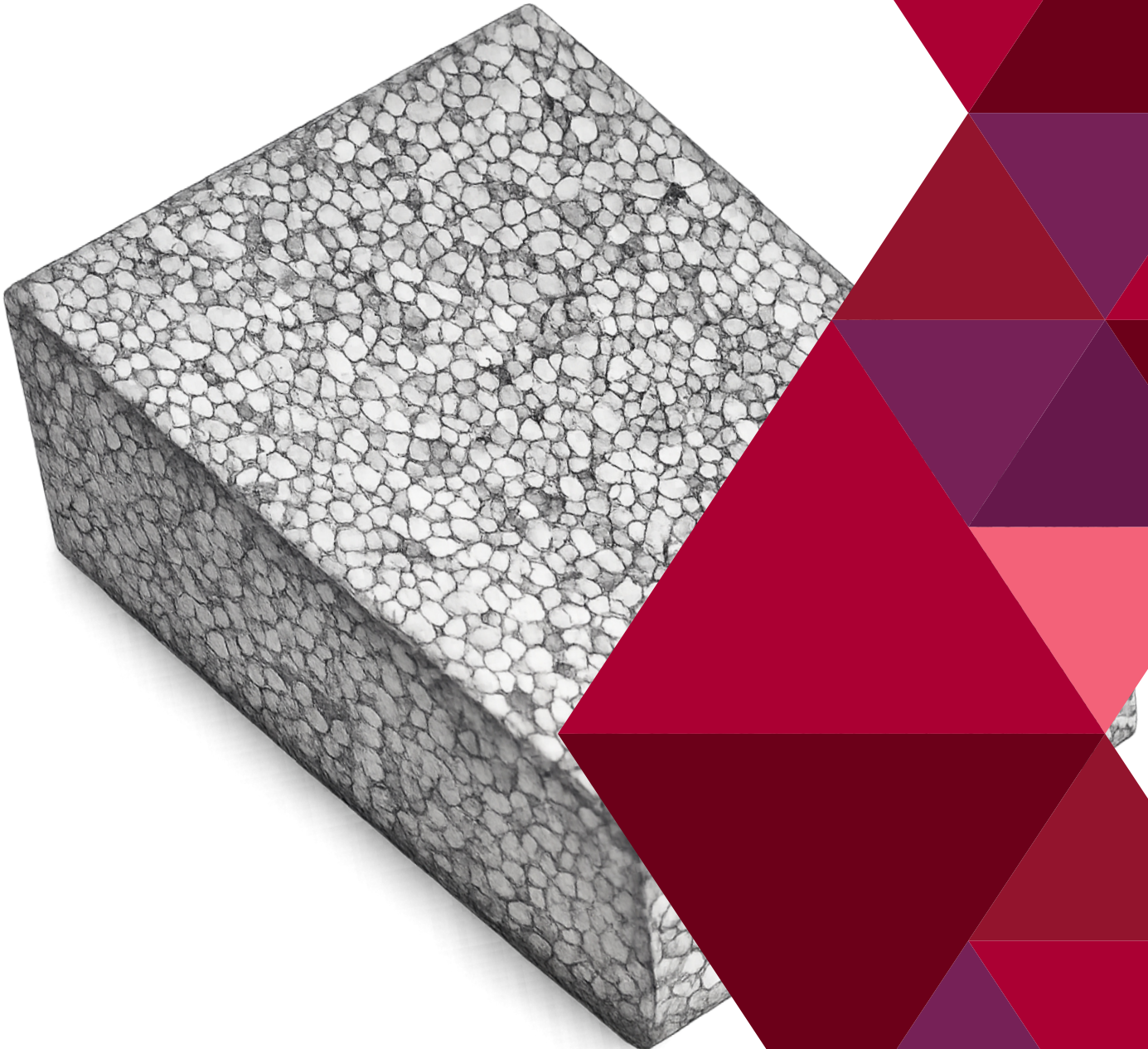


 PRODUCTS FOR BATTERY

# Lightweight Composite Core mPPE Particle Foam



# SunForce™ BH

## mPPE-Particle Foam For Composite Core Applications

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.

### Applications



#### Automotive Industry

Exterior and Interior  
Parts, Structural  
Battery Parts



#### Public Transportation

Airplane components, Train  
Components, Railway Infrastructure,  
Electrical Parts, Seat Parts



#### Other Industry

E-wave applications



### Key Properties

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



### Innovation for the Industry

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

