

## Product Highlights

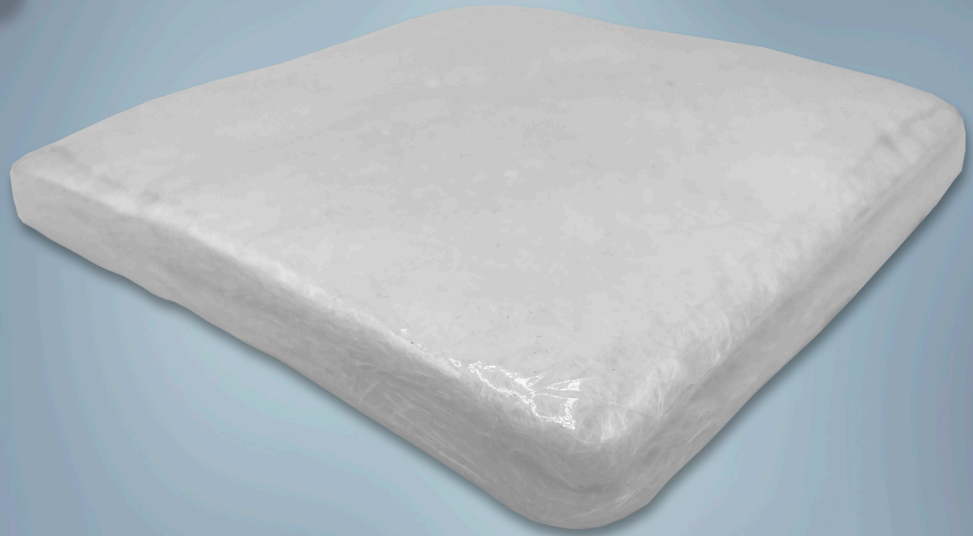
- High level of thermal insulation (+400°C / +752°F) when exposed to +500°C heat source
- Prevent potential touch conditions within battery pack
- Various thickness available
- Compressible yet easy to install
- Customized designs for custom fit
- Contamination free structure
- Integrated labeling available

## Typical Applications

- Limit propagation of thermal runaway
- EV Battery Pack protection:
  - Cell module protection to prevent modules from touching in case of thermal runaway failure mode



Our manufacturing sites are certified ISO 9001, IATF 16949, or AS/EN 9100, ISO 14001 and ISO 45001 (Selected Sites)



**Protexx-Shield® 3100** is a customized, flexible, highly efficient thermal barrier specifically designed as anti-propagation protection within EV battery pack. Product is an engineered composite structure that acts as gap filler and provides thermal insulation and electrical insulation. The composite structure allows for clean parts reducing any risk of contamination.

Protexx-Shield 3100 is constructed of mineral fiber that provides thermal insulation during a thermal runaway event to prevent modules from coming in contact with each other. Protexx-Shield 3100 can be provided with customized labeling to provide part traceability.

# Performance Data – Protexx-Shield® 3100

Property	Test Method	Result
Thermal Insulation during +500°C (+932°F) temperature	SP Internal Test Method	Provides +400°C (+752°F) thermal insulation (when mounted on steel plate)
Density	ASTM D1777; D3776; D3776M	Under Test g/cm <sup>3</sup>
Thermal Conductivity	JIS R2616 modified	0.05 [W/m*K]

All numeric performance data shows average or typical values. Please consult your sales representative for product drawings, test reports and OEM approvals.

## Construction & Typical Product Characteristics

Innovative composite structure based on mineral fiber insulation and fully encapsulated with thermoplastic film

## Availability

This product is designed to customer specific application, geometry and performance requirements.

Due to the nature of this custom product, please consult your local sales representative for more details.

## Protection of Battery Pack

