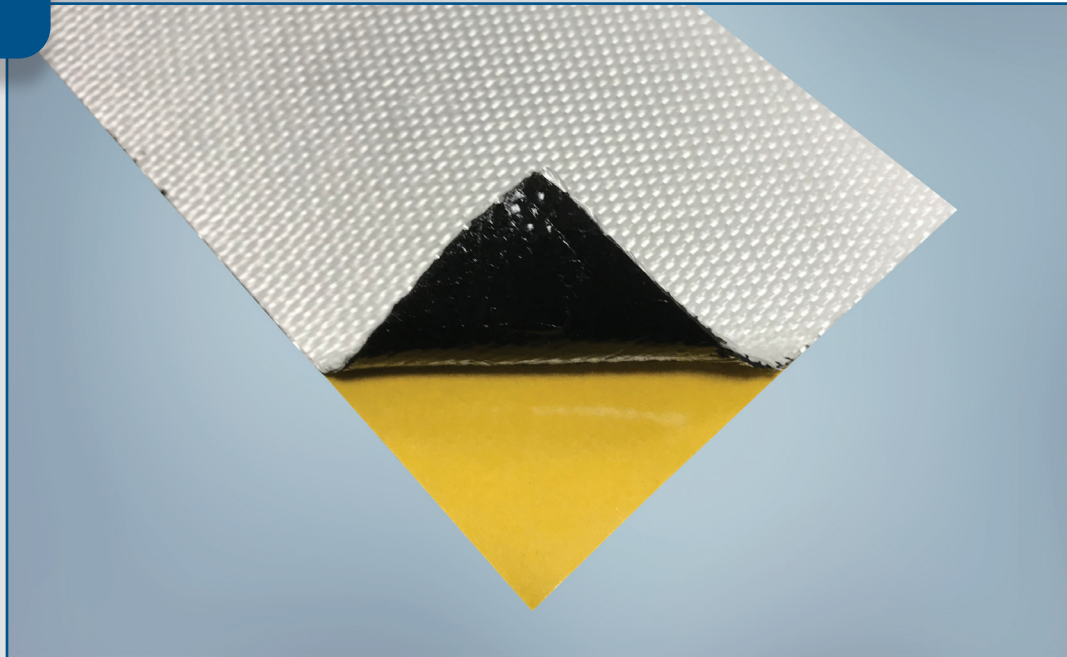


Product Highlights

- Flame Protection of +1000°C (+1832°F) x 10minutes
- Efficient level of thermal insulation (+500°C / +932°F)
- Thin, flexible and easy to install
- Customized designs for custom fit
- Directly adheres to battery case

Typical Applications

- Limit propagation of thermal runaway
- EV Battery Case Liner
- EV Battery Pack:
 - Module level protection
 - Component level protection



Protexx-Shield® BP-B is a thin, flexible thermal and flame barrier specifically designed as anti-propagation protection within EV battery pack. Product is an engineered composite structure that provides functionality as a flame barrier and provides thermal insulation and electrical insulation. Material is available with high temperature, pressure sensitive adhesive to allow for direct application onto a variety of surfaces.

Protexx-Shield BP-B is constructed of multiple layers of materials including a flame barrier layer with a specialty coating and a silica fabric structure for strength and insulation properties to limit propagation and failures due to thermal runaway event.



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

Performance Data – Protexx-Shield® BP-B

Property	Test Method	Result
Thermal Runaway	SP Internal Test Method	Resists 10min x +1000°C (+1832°F) Flame
Thermal Insulation during +1000°C (+1832°F) x 10min flame	SP Internal Test Method	+500°C (+932°F) thermal insulation when mounted on steel plate
Dielectric Strength Initial	IEC 60243-1	>5kV/mm
Electrical Insulation: Initial & Post Thermal Runaway	1000V DC applied	>4000 MΩ
Thickness	ASTM D1777	0.70mm without release liner
Density	ASTM D1777; D3776; D3776M	1.95 g/cm3

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

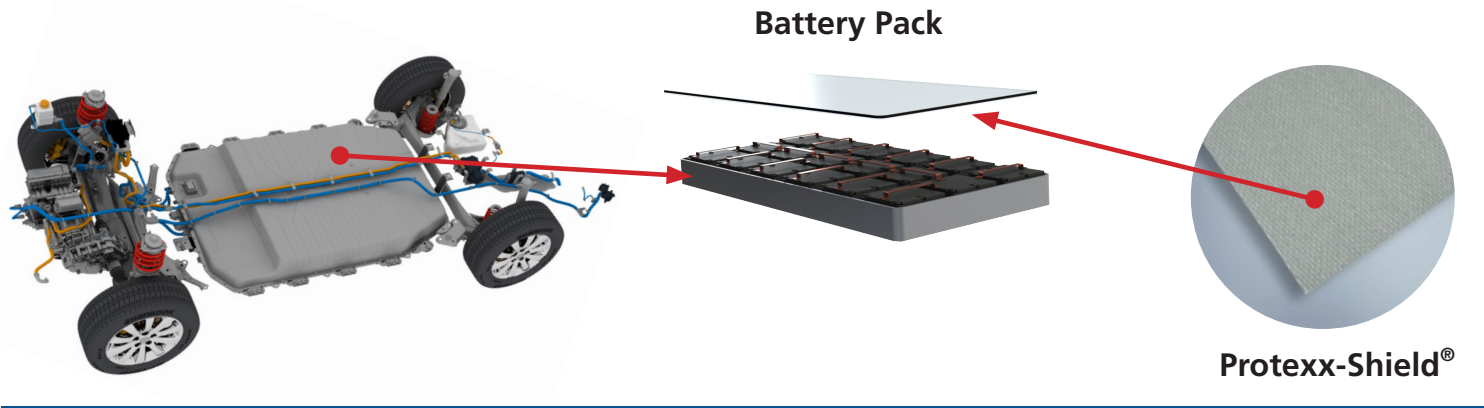
Silica fabric with specialty coating and high temperature pressure sensitive adhesive backing

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



United States: (1) 800 926 2472 • México: (52) 442 101 8100 • Brazil: (55) 19 3116 1600
EMEA: (33) 3 44 39 06 06 • Japan: (81) 45 330 0300 • China: (86) 21 6182 7560
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