

# ProCell™ 801 EV Firewall

ProCell 801 EV Firewall is a flexible aluminum foil backed with a glass cloth. The tape has excellent flexibility which allows for conformability to curved surfaces. ProCell 801 EV Firewall also carries approval for the ASTM-E595-07 outgassing test. The product is supplied on blue poly liner.

**Features & Benefits:**

- Excellent reflective and conductive characteristics
- Strong adhesion at high temperatures
- Silicone-free alternative

**Application:**

- Delays thermal runaway in electric vehicle battery packs

| PROPERTY                        | TEST METHOD                           | DATA RANGE                        | TYPICAL VALUE*             |
|---------------------------------|---------------------------------------|-----------------------------------|----------------------------|
| <b>PHYSICAL</b>                 |                                       |                                   |                            |
| Backing Material                |                                       | ---                               | Aluminum Foil/Glass Fabric |
| Backing Thickness, mm (inches)  |                                       | 0.076 - 01.06<br>(0.003 - 0.0042) | ---                        |
| Adhesive System                 |                                       | ---                               | Acrylic                    |
| Adhesive Thickness, mm (inches) |                                       | 0.076 - 01.02<br>(0.003 - 0.004)  | ---                        |
| Adhesion, g/cm (oz./in)         | ASTM-D 1000                           | 603 - 804<br>(54-72)              | 714<br>(64)                |
| Density, g/cm <sup>3</sup>      |                                       | ---                               | 1.4                        |
| Thermal Conductivity, W/m*K     | Internal, ASTM-C 518<br>@ 23°C (73°F) | ---                               | 1.36                       |
| Heat Capacity, J/g*C            | Internal, ASTM-E 1269                 |                                   | 1.1                        |
| Outgas Test                     | ASTM-E 595-07                         |                                   | Approved                   |

| PRODUCT DIMENSIONS       | METRIC     | ENGLISH   |
|--------------------------|------------|-----------|
| Width mm, inches         | 6.35 - 660 | 0.25 - 26 |
| Core Diameter mm, inches | 76         | 3         |
| Roll Length m, yards     | 33         | 36        |

\*Typical values shown are from testing at date of manufacture and should not be used for specification limits.

- Additional technical information and product specifications are available upon request.
- Shelf life is one year from the date of manufacture with storage conditions of 21°C (70°F) and 50% RH.
- All metric conversions are approximate.

