

## ZeroAdvance<sup>™</sup> Thermal Runaway Protection Series: ZA100 Ultra Fire Resistant Fabric

ZA100 represents a series of next-generation fire protection materials, expertly designed for a wide range of electric vehicle and battery applications. This silicone-coated specialty composite balances superior thermal insulation properties with a uniquely lightweight and flexible design for ease-of-use in the event of a battery fire.

ZeroAdvance<sup>™</sup> Series composites are engineered to contain and effectively stop flame propagation during thermal runaway, with a unique construction balancing lightweight design and high flexibility for ease of handling and conformability to complex shapes.

## **KEY FEATURES**

- Lightweight fire barrier fabric
- ➢ Low COF for ease of handling
- > Low thermal conductivity
- > Flexible design for folding
- > Easily cut and sewn to-shape

## **APPLICATIONS**

- Electric Vehicle Protection against thermal runaway event
- Fire Protection for Battery Transportation

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	17 Mile (199 21)	
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PRODUCT SPECIFICATIONS		ZA100	Test Method
Weight		740 g/m <sup>2</sup>	ASTM D-3776
Thickness		0.8 mm	ASTM D-1777
Density		1.13 g/cm <sup>3</sup>	ASTM D-792
Tensile Strength		55 kg/cm	ASTM D-5034
Tear Strength		30 kgf	ASTM D-5587
Coefficient of Friction		0.11	AEC Internal
Flame Resistance	>10 minutes	1400-1600°C	AEC Internal

## REV: 6/10/2024

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