

**Made in USA of Domestic and/or Imported Materials**

## PRODUCT DATA SHEET

CARBO-FLEX®– Style No: AFLPN1500

For additional information please contact [sales@auburnmfg.com](mailto:sales@auburnmfg.com)

**Description:** A composite of a woven fabric, a non-woven material and a layer of aluminized polyester film for reflectivity. The woven fabric is based on yarns made with an aramid outer layer and a fiberglass core. The non-woven is a blend of aramid and carbon (partially carbonized acrylic) fibers.

TECHNICAL DATA	IMPERIAL	METRIC
NOMINAL WIDTH:	40 in 60 in	101.6 cm 152.4 cm
NOMINAL WEIGHT:	17.0 OZ/YD <sup>2</sup>	576 g/m <sup>2</sup>
NOMINAL THICKNESS:	0.070 in	1.778 mm
NOMINAL BREAKING STRENGTH:	WARP: 200 LBS/IN MIN AVG FILL: 80 LBS/IN MIN AVG	WARP: 350 N/cm FILL: 140 N/cm
TEMPERATURE RESISTANCE:	FIBERGLASS: 1000° F ARAMID: 600°F CARBON: 500°F ADHESIVE: 450°F	FIBERGLASS: 538°C ARAMID: 316°C CARBON: 260°C ADHESIVE: 232°C

STANDARD	TEST	PERFORMANCE LEVEL
EN ISO11612:2015	Molten Metal Splash: Aluminum Iron	D3 E3

### PRODUCT HIGHLIGHTS

- ❖ Fabric Finish: Aluminized Polyester film on one side for reflectivity.
- ❖ Width of finished products may be narrower due to the lamination process.
- ❖ Additional Testing: ASTM F955 Molten Metal Iron & Aluminum Impact Test. ASTM F1939 Radiant Protective Performance (RPP).
- ❖ Material should be tested for its suitability in any application. Users should also familiarize themselves with the SDS.



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