



**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

### PRODUCT HIGHLIGHTS

- ❖ Fabric Finish: Aluminized polyester film on one side for reflectivity.
- ❖ Width of finished products may be narrower due to the lamination process.
- ❖ AFLPN1500 has been tested by an independent laboratory in accordance with ASTM955-07, Molten Iron & Molten Aluminum Impact; and ASTM F 1939, Radiant Protective Performance. ASTM 955-07 is sometimes referred to as the Molten Metal Splash Test. ASTM F 1939 is sometimes referred to as the RPP Test and uses the Stoll Curve as a comparison in the graphical presentation. Contact AMI for further information.
- ❖ Material should be tested for its suitability in any application. Users should also familiarize themselves with the SDS.



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