



# ALPHA

## engineered composites

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### ***AlphaShield 510AP4***

#### **DESCRIPTION**

AlphaShield 510AP4 is an automotive heat shielding material designed with a pressure-sensitive adhesive for easy application. This three-ply laminate uses aluminum foil with a flat-needed gray polyester non-woven to absorb sound and heat.

#### **COMPOSITION**

##### **Component**

Foil  
Nonwoven  
Pressure Sensitive Adhesive

##### **Description**

0.002" (51 micron) Aluminum  
Heather Gray Needed Polyester

#### **PROPERTY DATA**

<b><u>CHARACTERISTIC</u></b>	<b><u>METHOD</u></b>	<b><u>VALUES</u></b>	
		<b><u>ENGLISH</u></b>	<b><u>METRIC</u></b>
WEIGHT	ASTM-D-3776	35.0 oz/sy	1187 g/m <sup>2</sup>
THICKNESS	ASTM-D-1777	0.14"	3.55 mm
TENSILE STRENGTH	ASTM-D-5035	Warp- 60 lbs/inch	10.72 kg/cm
		Fill- 60 lbs/inch	10.72 kg/cm
TEAR STRENGTH	ASTM-D-5587	Warp- 50 lbs	22.68 kg
		Fill- 50 lbs	22.68 kg
BEACH PUNCTURE	ASTM-D-781	1200 units (318 in-lbs)	366 cm-kg

DATA SHEET: 14371 REV: A DATE: 5/27/20

**Specializing in marine, aerospace, automotive and commercial fabrics for thermal and industrial applications**

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