



FLEXIBLE  
SPECIALTY  
PRODUCTS

# Flex850

## Material Specification

### Material Description

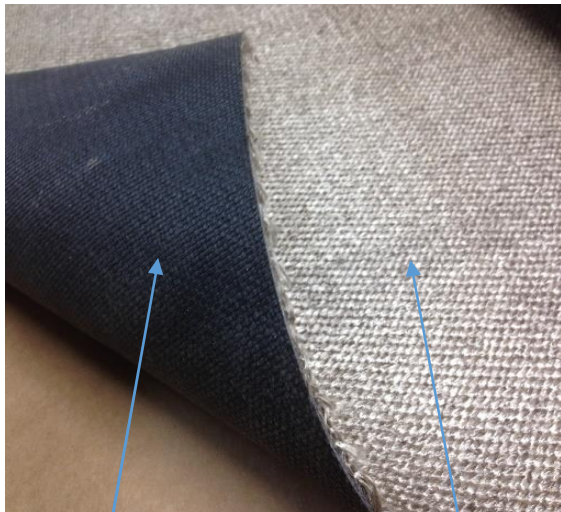
Our Flex850 product is a high temperature composite material designed for expansion joints requiring upper use temperatures to 850 degrees. The material can be fabricated in many configurations and provides a rugged, single layer material capable of high temperatures without hot spots.

The Flex850 material can withstand continuous temperatures to 850°F and is not affected by UV light. The outer layer of Flex850 material can easily be repaired on-site with a repair kit provided by FSP. Contact our sales staff to see if this is the correct material for your application



**Construction:**

PTFE Coated Woven Fiberglass load bearing component outside with 100oz woven fiberglass cloth laminated on the inside for high temperature protection to 850°F



PTFE Coated Fiberglass Cloth with PTFE Film Gas Barrier

3/8" Thick Woven Fiberglass

### Physical Properties

<b>Maximum Temperature:</b>	850°F (454°C) Continuous
<b>Minimum Temperature:</b>	-80°F (-62°C) Continuous
<b>Weight:</b>	155 oz/yd <sup>2</sup> (5270 g/m <sup>2</sup> )
<b>Thickness:</b>	0.345+(1.8 mm)
<b>Tensile Strength (Warp):</b>	1200 lbs/in (10508 N/50 mm)
<b>Tensile Strength (Fill):</b>	1200 lbs/in (10508 N/50 mm)
<b>Maximum Pressure:</b>	5 PSI (4925 mm wc)
<b>Minimum Pressure:</b>	-3 PSI (-2110 mm wc)

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This information supplied in good faith and is based on information currently available. Contact a sales representative at FSP to verify suitability to specific applications and design conditions