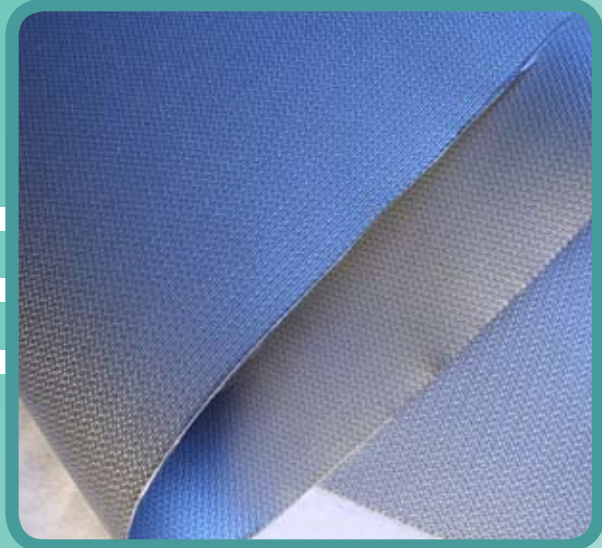




Flextech Engineering Inc.  
www.flextechseals.com

### Product Description

Silicone Coated Fiberglass has excellent weatherability characteristics, with excellent resistance to ozone and ultra-violet light. The silicone coating greatly reduces the porosity of the textile, allowing for greater sealing efficiency.



## S44GY Data Sheet

### Silicone coated fiberglass

#### Physical Characteristics

<u>Fiber Content</u>	<u>Fiberglass</u>
<u>Coating/Finish</u>	<u>Silicone</u>
<u>Color</u>	<u>Grey</u>
<u>Weight</u>	<u>44 oz/sq yd</u>
<u>Thickness</u>	<u>.080"</u>
<u>Weave</u>	<u>Plain</u>
<u>Flexibility</u>	<u>Excellent</u>
<u>Electrical</u>	<u>Non-conductive</u>
<u>Chemical</u>	<u>Non-reactive</u>

#### Temperature Parameters

<u>Silicone Service Temp</u>	<u>500 °F</u>
<u>Fabric Maximum Temp</u>	<u>1200 °F</u>
<u>Fiberglass Service Temp</u>	<u>1000 °F</u>
<u>Fiberglass Melt Temp</u>	<u>1200 °F</u>

#### Performance Characteristics

<u>Break Strength (warp)</u>	<u>300 lbs</u>
<u>Break Strength (fill)</u>	<u>250 lbs</u>
<u>Tear Strength (warp)</u>	<u>N.A.</u>
<u>Tear Strength (fill)</u>	<u>N.A.</u>
<u>Flame Resistance</u>	<u>Self-extinguishing</u>
<u>Afterglow</u>	<u>10 seconds max</u>

S44GY is in conformance with MIL-C-24576, MIL-1-24244B, and MIL-Y-1 140C. This material works well as an impermeable membrane in high-temp applications such as expansion joints and special seals where resistance to fluids and abrasion is required.