



Flextech Engineering Inc.
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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.



S32GY 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>Silver</u>
<u>Weight</u>	<u>32 oz/sq yd</u>
<u>Thickness</u>	<u>.035"</u>
<u>Weave</u>	<u>Satin</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>275 lbs</u>
<u>Break Strength (fill)</u>	<u>250 lbs</u>
<u>Tear Strength (warp)</u>	<u>65 lbs</u>
<u>Tear Strength (fill)</u>	<u>55 lbs</u>
<u>Flame Resistance</u>	<u>Self-extinguishing</u>
<u>Afterglow</u>	<u>10 seconds max</u>

S32GY 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.