



## THERMALLY CONDUCTIVE SILICONE FOAM FINE FABRIC FINISH – GREEN COLOUR

### MATERIAL SPECIFICATION SHEET

PROPERTY	TEST METHOD	VALUE
<b>PHYSICAL</b>		
<b>Density</b> , lb/.in <sup>3</sup> , max (less than ¼") (¼" or more)	<b>AMS 3195</b>	<b>Approx 0.0025 (450kg/m<sup>3</sup>)</b>
<b>Thickness</b> , inches (Tolerances)	<b>Tolerance per AMS 3195</b>	
<b>Standard Colour</b>		
<b>Compression Deflection</b> , psi (kPa) <b>Typical psi (kPa)</b>	<b>AMS 3195 ASTM D1056 At 25% compression</b>	<b>30</b>
<b>Change in Compression Deflection</b> , % max <b>Typical</b>	<b>ASTM D1056 After 22hrs at 302 °C (150°C)</b>	<b>25 1</b>
<b>Compression Set</b> , % max <b>Typical</b>		<b>60 15</b>
<b>Flame Resistance</b> , burn rate in./min. max (mm) <b>Typical</b>		<b>4 (102) Self Extinguishing</b>
<b>Water Absorption</b> , weight change, % max		<b>5</b>
<b>TEMPERATURE RESISTANCE</b>		
<b>Continuous Use Temperature</b> , max		<b>400°F (204°C)</b>
<b>Maximum Intermittent Use</b>		<b>450°F (232°C)</b>
<b>Maximum Intermittent Use</b>		<b>-67°F (-55°C)</b>
<b>Brittleness Temperature</b> (min cont. use) <b>Typical</b>	<b>AMS 3195, ASTM D746 No failures due to cracks</b>	<b>AMS 3195, ASTM D746 No failures due to cracks</b>



ISO 9001:2015 Q93057 ISO 14001:2015 EMS 505718

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PROPERTY	TEST METHOD	VALUE
<i>PHYSICAL</i>		
Density, lb/in. <sup>3</sup> , max (less than 1/4") (1/4" or more)	AMS 3195	Approx. 0.025 (450kg/m <sup>3</sup> ) Approx. 0.020 (500kg/m <sup>3</sup> )
Thickness, inches (Tolerances)	Tolerances per AMS 3195	To 0.063 (-0.016 +0.030) 0.064 – 0.188 (±0.030) 0.189 – 0.313 (-0.030 +0.050) 0.314 – 0.500 (+0.060)
Standard Colour		Red Oxide Black
Compression Deflection, psi (kPa) Typical psi (kPa)	AMS 3195, ASTM D1056 At 25% compression	6 – 14 (41 – 97) 11 (76)
Change in Compression Deflection, % max Typical	ASTM D1056 After 22hrs at 302°F (150°C)	±5 +2
	ASTM D1056 A4 After 22hrs at 350°F (175°C)	30
Compression Set, % max Typical	ASTM D1056 B2 50% compression, 73°F (23°C)	25 1
	ASTM D1056, AMS 3195 50% compression, 212°F (100°C)	60 15
Flame Resistance, burn rate in./min. max (mm) Typical	DOT MVSS-302, ASTM D5132 ASTM D1056 M	4 (102) Self Extinguishing
Water Absorption, weight change, % max	ASTM D1056 Tested on 1" x 1/2" casted plug	5
<i>TEMPERATURE RESISTANCE</i>		
Continuous Use Temperature, max		400°F (204°C)
Maximum Intermittent Use		450°F (232°C)
Minimum Intermittent Use		-67°F (-55°C)
Brittleness Temperature (min cont. use) Typical	AMS 3195, ASTM D746 No failures due to cracks	-67°F (-55°C) -103°F (-75°C)

Note: All metric conversions are approximate.  
Based on requirements for ASTM D1056 2D2/8 and AMS 3195

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