

# Datasheet

## Grey Silicone Sponge Tape

RS Stock number 733-6791



Temperature range -55°C to +200°C. Excellent recovery/compression resistance. Good compliance with fire/smoke/toxicity requirements.

Property	Test Method	Typical Value
<b>PHYSICAL</b>		
Colour		Grey
Thickness, inches, (mm)		1/32-1/2 (0/8-12.7)
Standard Width, inches, (mm)		36 (914)
Density, lb./ft <sup>3</sup> (kg/m <sup>3</sup> )	ASTM D 1056	22 (352)
Compression Force Deflection, psi (kPa)	Force measured @ 25% Deflection ASTM D 1056	9.0 (62.0)
	ASTM D 1056 Test D @ 158°F (70°C)	< 1
Compression Set % max	ASTM D 1056 Test D @ 212°C (100°C)	<5
Tensile Strength, psi (kPa)	ASTM D 412	45 (310)
Elongation %	ASTM D 412	89
<b>FLAMMABILITY % OUTGASSING</b>		
Flame Resistance	UL 94	Listed v-0 and HF-1
Flame Spread Index (L)	ASTM E 162	< 25
Smoke Density (D)	ASTM E 662	
	Tested @ 4.0 minutes	< 50
	Tested @ 1.5 minutes	< 20
Toxic Gas Emissions Rating	SMP-800C	Pass



**ENVIRONMENTAL PROPERTIES**

<b>Water Absorption</b>	Internal: 24 rs@ room temp.	1.40%
<b>UV Resistance</b>	SAE J- 1960	No Degradation
<b>Ozone Effect Rating</b>	ASTM D 1171	0 (No Cracks)
<b>Corrosion Resistance</b>	AMS - 3568	Pass
<b>Meets Requirments of FDA CFR 177.2600 for Food Contact</b>		Yes

**ELECTRICAL & THERMAL PROPERTIES**

<b>Dielectric Constant</b>	ASTM D 150	1.42
<b>Dielectric Strength</b>	ASTM D 149, Volts,mil	91
<b>Dry Arc Resistance</b>	ASTM D 495, Seconds	92
<b>Volume Resistivity, Ohm0cm</b>	ASTM D 257	10 <sup>14</sup>

<b>Thermal Conductivity, BTU in/hr/ft<sup>2</sup>/°F (-55°)</b>	ASTM C 518	0.63 (0.09)
	L.O.I (BS2782 Part 1 Method 141:1986)	36.20%
	Temperature Index (BS EN ISO 4589-3 1996)	

Smoke- Small scale cube Ao 0.005

**TEMPERATURE RESISTANCE**

<b>Low Temperature Flex at -67°F (-55°C)</b>	ASTM D 1056	Pass
<b>Recommended Use Temperature °F (°C)</b>	SAE J-2236	-67 to 392 (-55 to 200)
<b>Recommended Intermittent High Temperature Use, °F (°C)</b>	Internal	482 (250)