

**PRODUCT:**

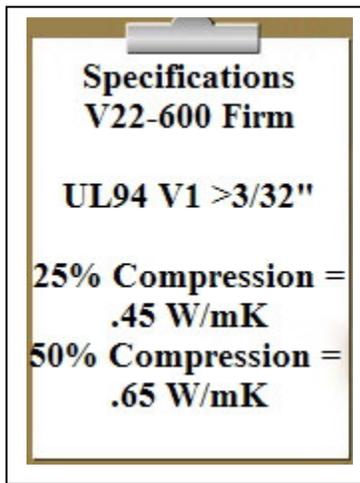
Series V22-600 Thermally Conductive Silicone Sponge Rubber – Firm Density

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**PRINCIPAL USES:**

Series V22-600 thermally conductive silicone sponge rubber is a closed cell gasket material designed as a gap filler for applications requiring thermal conductivity and electrical isolation. It will seal at both high and low temperatures, provide thermal transfer and cushion vibration.

**TECHNICAL DATA:**



Category	Typical Value	Test Method
Density	69 PCF 1107 kg/m <sup>3</sup> 1.11 grams/cc	ASTM D-3574
Compression Set	15%	ASTM D-1056 – Compressed 50%, 22 hrs @ +212°F (+100°C)
Compression Deflection	20 psi 138 kPa	ASTM D-1056 – Compressed 25%, @ room temperature
Tensile	120 psi 827 kPa	ASTM D-412
Elongation	150%	ASTM D-412
Water Absorption	< 5%	ASTM D-1056
Linear Thermal Expansion	1.8 X 10 <sup>-4</sup> in./in./ °F	Room temp to +350°F (+177°C)
Outgassing	< 1% weight loss	NASA, 24 hrs @ +257°F (+125°C) in vacuum
Dielectric Strength	100 volts/mil	ASTM D-1496
Temperature Range	+400°F (+204°C) -80°F (-62°C)	

Compression	Pressure	Thermal Conductivity	Thermal Impedance
Contact	< 1psi (6.9 kPa)	0.30 W/mK	6.0 °C in. <sup>2</sup> /W
10 %	5 psi (34.5 kPa)	0.40 W/mK	4.5 °C in. <sup>2</sup> /W
25 %	12 psi (83 kPa)	0.45 W/mK	2.5 °C in. <sup>2</sup> /W
50 %	34 psi (234 kPa)	0.65 W/mK	1.0 °C in. <sup>2</sup> /W



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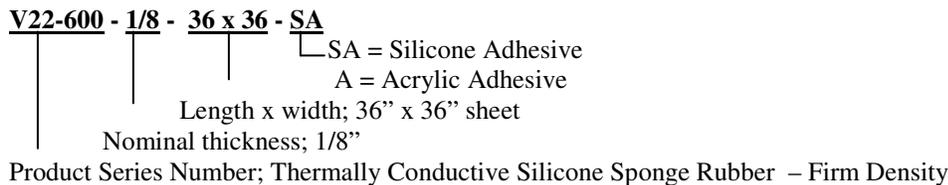
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**AVAILABLE PRODUCTS:**

Part Number	V22-600	Thermally Conductive Silicone Sponge - Firm Medium Density						
Fraction	1/32"	1/16"	3/32"	1/8"	3/16"	1/4"	3/8"	1/2"
Decimal	.031"	.063"	.094"	.125"	.188"	.250"	.375"	.500"
Millimeter	.79	1.59	2.38	3.18	4.76	6.35	9.53	12.7
Rolls	X	X	X	X				
Sheets	X	X	X	X	X	X		
Custom Die Cut	X	X	X	X	X	X		
X = standard product		Special = special order; minimum order quantities						

**PART NUMBER SYSTEM:**



**COLORS:**

Green

**NOTE:**

Specifications are typical values and should not be used for writing specifications.

**STORAGE TEMPERATURE:**

Store in cool, dry area at temperatures of 60°F to 80°F.

**CAUTION:**

All physical properties listed above have been obtained from random laboratory testing and should not be used for the purpose of writing specifications. THIS PRODUCT SHOULD BE TESTED TO DETERMINE THE SUITABILITY FOR ITS INTENDED USE.