



Viadon of Alabama, Inc.
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www.Viadon.com
www.Silicone-Sponge-Supply.com

PRODUCT:

Series V22-110 General Purpose Silicone Sponge Rubber – Firm Density

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PRINCIPAL USES:

Series V22-110 general purpose silicone sponge rubber, firm density, is a high temperature and low temperature gasket material. This closed cell silicone material is also used for press pads, thermal shielding, vibration mounts and other applications requiring sealing and resistance to ultraviolet light. This material is often used for gasket applications in outdoor lights.

TECHNICAL DATA:

Category	Typical Value	Test Method
Density	43 PCF 692 kg/m ³ .69 grams/cc	ASTM D-3574
Compression Set	25%	ASTM D-1056 – Compressed 50%, 22 hrs @ +212°F (+100°C)
Compression Deflection	16 psi 110 kPa	ASTM D-1056 – Compressed 25%, @ room temperature
Tensile	130 psi 896 kPa	ASTM D-412
Elongation	200%	ASTM D-412
Water Absorption	< 5%	ASTM D-1056
Linear Thermal Expansion	1.8 X 10 ⁻⁴ 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	145 volts/mil	
Specific Heat	0.3 BTU/lb./ °F	
Temperature Range	+500°F (+260°C) -100°F (-73°C)	

ISO 9001 Certified Master Distributor and Converter
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AVAILABLE PRODUCTS:

Part Number	V22-110	General Purpose Silicone Sponge - Firm Density						
Fraction	1/32"	1/16"	3/32"	1/8"	3/16"	1/4"	3/8"	
Decimal	.031"	.063"	.094"	.125"	.188"	.250"	.375"	
Millimeter	.79	1.59	2.38	3.18	4.76	6.35	9.53	
Rolls		Special		Special				
Sheets			Special	X	X	X	X	
Custom Die Cut		Special	Special	X	X	X	X	
X = standard product Special = special order; minimum order quantities								

PART NUMBER SYSTEM:

V22-110 - 1/8 - 36 x 36 - SA

SA = Silicone Adhesive
A = Acrylic Adhesive
Length x width; 36" x 36" sheet
Nominal thickness; 1/8"
Product Series Number; Silicone Sponge Rubber – General Purpose – Firm Density

COLORS:

Orange-red = Standard

Black = Special

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.

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