

FEATURES

- One component adhesive/sealant
- Cures at room temperature when exposed to moisture in the air
- Alkoxy cure system
- Non sag, paste consistency Easy to apply
- Excellent adhesion to many substrates

RS PRO White Silicone Sealant Paste 310ml Cartridge

RS Stock No.: 494-102



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

One-component, room temperature curing silicone elastomer. Cross linking takes place in the presence of moisture in the air to form a flexible resilient silicone rubber. The material does not evolve any corrosive volatiles, e.g. acetic acid, amines, during cure and is therefore suitable for use on copper, its alloys and other sensitive metals. This property also results in a very low odour emission compared to acetoxy grades.

General Specifications

Chemical Type	Elastomer
Product Form	Paste
Colour	White
Package Size	100g
Package Type	Tube
Physical Properties	Neutral Cure, Non-Corrosive
Cure Time	7 (23°C) days
Odour	Sweet
Chemical Composition	Stearic Acid
Minimum Operating Temperature	-40°C
Maximum Operating Temperature	150°C
Operating Temperature Range	-20°C to +155°C
Special Features	Non-Corrosive
Application	Copper, Semiconductor Junction Protection

Mechanical Specifications

Elongation	350%
Hardness	32 Shore A
Specific Gravity	1.43
Dielectric Strength	18.7kV/mm
Tensile Strength	210N/cm

Approvals

Compliance/Certifications	MIL-A-46146, FDA 177.2600 and UL 94 HB
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Typical properties:

Standard*	Property	Unit	Value
	Color		Off-white
As supplied			
CTM 0176	Consistency		Non-slump paste
CTM 0364	Extrusion Rate	g/min	145
	3.2 mm orifice, 0.62 MPa		
CTM 0098	Skin-Over-Time	min	15
CTM 0095	Tack-Free-Time	min	46
CTM 0097	Specific Gravity at 25°C		1.33
As cured – 7 days at 25°C and 50% R.H.			
ASTM D 2240	Hardness, Shore A		35
ASTM D 412	Tensile Strength	MPa	1.9
ASTM D 412	Elongation at Break	%	350
ASTM D 149	Dielectric Strength	kV/mm	18.7
ASTM D 257	Volume Resistivity	Ohm·cm	7.7×10^{14}
ASTM D 150	Dielectric Constant at 25°C		
	at 100 Hz		3.30
	at 10 kHz		3.21
ASTM D 150	Dissipation Factor at 25°C		
	at 100 Hz		8.7×10^{-3}
	at 10 kHz		2.8×10^{-5}
CTM 0293	Adhesion – Peel Strength	kN/m	7.0
	Adhesion on Aluminum after 3 days at 25 °C		

* CTM: Corporate Test Method

* ASTM : American Society for Testing and Materials.

