



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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RTV Silicones

RTV Number...



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Product Number...

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performance materials

1-Part Adhesive Sealant RTV103

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Primary Characteristics

- ▶ Black Paste
- ▶ High Strength
- ▶ High performance assembly
- ▶ Acetoxy cure
- ▶ Meets MIL-A-46106
- ▶ UL File no. E-36952
- ▶ FDA 21 CFR 177.2600

Excellent for insulating, sealing, bonding and formed-in-place gaskets. Can be applied to vertical and overhead surfaces. Not for use in delicate electrical and electronic applications in which corrosion of copper, brass, or other sensitive metals is undesirable. Can be used in food contact applications where FDA regulations apply. Reference CDS4319 "Food Contact Applications", "Silicone Rubber Compounds."

Available Sizes

Catalog No.	Size	Description
RTV103-85ML	2.8 oz	Tube
RTV103-300ML	10.1 oz	Cartridge

Specifications

Use	Adhesive Sealant
Special Feature	High tensile strength
Standards	FDA 21CFR 177.2600
	MIL-A-46106
	UL Recognized
	UL File No. E-36952
	UL 94 HB
Cross Reference	RTV 102, DC 732
Uncured Properties	
Consistency	Paste
Color	Black
Specific Gravity	1.05
Tack Free Time	20 min
Cure Through Time (77°F / 50% relative humidity / 1/8" thick)	7 days
Cure Time (@ 77°F / 50% relative humidity)	3 days
Useful Temp. Range	-60°C to 205°C (-75°F to 400°F)
Cured Properties - MECHANICAL	
<u>Hardness</u>	30 (Shore A)
Tensile Strength	2.8 kg/cm ² (400 psi)
Elongation	450%
Tear Strength	8 kg/cm
	45 lb/in
Peel Strength	7 kg/cm
	40 lb/in

Technical Support
for RTV Silicones

1-800-255-8886

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- [RTV108 Translucent](#)
- [RTV109 Aluminum](#)

Resources

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- ▶ [Two Part Chart](#)

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Cured Properties - ELECTRICAL	
Volume Resistivity	3 x 10 ¹⁵ ohm · cm
Dielectric Strength	20 kV/mm
	500 V/mil
Dielectric Constant	2.8 @ 60 Hz
Cured Properties - THERMAL	
Thermal Conductivity	0.5 x 10 ⁻⁴ cal/sec/cm ²
Brittle Point	-60°C (-75°F)
Thermal Expansion	7 x 10 ⁻⁵ (°C) ⁻¹
Other	
Viscosity (@ 25°C)	400 g/min

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