

RTV Silicones



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RTV Silicones by **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	
Hardness	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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- [RTV102 White](#)
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Resources

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RTV Silicones >> Black One Part RTV Silicone Adhesive Sealant >> High Performance Assembly

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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