

RTV Silicones by  **1-Part Adhesive Sealant RTV106**



Primary Characteristics


- ▶ Red Paste
- ▶ High Temperature rated
- ▶ 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
RTV106-85ML	2.8 oz	Tube
RTV106-300ML	10.1 oz	Cartridge

Specifications

Use	Adhesive Sealant
Special Feature	High Temperature
Standards	FDA 21CFR 177.2600 MIL-A-46106 UL Recognized UL File No. E-36952 UL 95 HB
Cross Reference	RTV106, DC732
Uncured Properties	
Consistency	Paste
Color	 Red
Specific Gravity	1.07
Tack Free Time	25 min
Cure Through Time (77°F / 50% relative humidity / 1/8" thick)	24 hours
Cure Time (@ 77°F /50% relative humidity)	3 days
Useful Temp. Range	-60°C to 260°C (-75°F to 500°F)
Cured Properties - MECHANICAL	
Hardness	30 (Shore A)
Tensile Strength	2.55 MPa (375 psi)
Elongation	400%
Tear Strength	7 kg/cm (40 lb/in)

Peel Strength	7 kg/cm (40 lb/in)
Cured Properties - ELECTRICAL	
Volume Resistivity	3×10^{14} ohm · cm
Dielectric Strength	19.7 kV/mm (500 V/mil)
Dielectric Constant	2.8 @ 60 Hz
Cured Properties - THERMAL	
Thermal Conductivity	0.2092 W/m · °K
Brittle Point	-60°C (-75°F)
Thermal Expansion	27×10^{-5} (°C) ⁻¹
Other	
Viscosity (@ 25°C)	400 g/min