

RTV Silicones

RTV Number...

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Jump to Product Number

Product Number...

- [Accessories](#)
- [Adhesives](#)
- [Brushes](#)
- [Cleaners / Degreasers](#)
- [Contact Cleaners](#)
- [Desoldering Braid](#)
- [Dusters & Circuit Coolers](#)
- [EMI / RFI Shielding](#)
- [Epoxies](#)
- [Flux and Flux Remover](#)
- [Glass & Screen Cleaners](#)
- [Isopropyl Alcohol](#)
- [Lead Free Solder](#)
- [Lubricants](#)
- [Potting & Encapsulating](#)
- [Protective Coatings](#)
- [Pens](#)
- [Prototyping Materials](#)
- [RTV Silicones](#)
- [Soldering/desoldering](#)
- [Specialized Cleaners](#)
- [Swabs](#)
- [Thermal Management](#)
- [Thermally Conductive Adhesives](#)
- [Wipes](#)

RTV Silicones by 1-Part Adhesive Sealant RTV5818



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Primary Characteristics

- ▶ [Translucent Paste](#)
- ▶ [Fast cure](#)
- ▶ [Modified alkoxy \(neutral\) cure](#)
- ▶ [UL HB Recognition](#)
- ▶ [UL File No. E36952](#)

Features primerless adhesion to many metals, plastics, masonry, wood, glass and ceramics. Not recommended for use on polycarbonates and acrylics. Also good for marine applications. UL HB Recognition.

Fast curing, paste adhesive designed to provide quick initial adhesion build. Assembly applications requiring high productivity; suited for applications in confined spaces.

Available Sizes

| Catalog Number | Sizes Available | Description |
|----------------|-----------------|-------------|
| RTV5818-300ML | 300mL (10 oz) | Cartridge |

Specifications

| | |
|-------------------------------|----------------------------------|
| Use | Adhesive Sealant |
| | Marine Application |
| Special Features | High strength, non-corrosive |
| Cross Reference | 1035, RTV5812, RTV5813 |
| Uncured Properties | |
| Consistency | Paste |
| Color | Translucent |
| Specific Gravity | 1.04 |
| Tack Free Time | 15 min |
| Cure Through Time | 12 - 24 hours |
| Useful Temp. Range | -60°C to 204°C (-75°F to 399 °F) |
| Cured Properties - MECHANICAL | |
| Hardness | 21 (Shore A) |
| Tensile Strength | 1.896 MPa (275 psi) |
| Elongation | 500% |
| Tear Strength | 7.1 kg/cm (40 lb/in) |
| Peel Strength | 8 kg/cm (47 lb/in) |
| Cured Properties - ELECTRICAL | |
| Volume Resistivity | 2 x 10 ¹⁵ ohm · cm |
| Dielectric Strength | 16.8 kV/mm |
| | 425 V/mil |
| Dielectric Constant | 2.8 @ 100 Hz |
| Cured Properties - THERMAL | |

Technical Support for RTV Silicones

 1-800-255-8886

M.G. Chemicals Disclaimer for RTV Silicones >

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- ▶ [MSDS](#)
- ▶ [Specifications](#)
- ▶ [Available Sizes](#)

Related products:

[1035 Translucent](#)

Resources

- ▶ [Selection Guide >](#)
- ▶ [One Part Chart !\[\]\(4fa9d78dd0176fb0bcd98cce689c3346_img.jpg\)](#)
- ▶ [Two Part Chart !\[\]\(e3c874100a2886e3b213d58167c8595f_img.jpg\)](#)

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- [General Purpose >](#)
- [Aerospace >](#)
- [Marine >](#)
- [High Performance Assembly >](#)
- [Electronics >](#)
- [Thermal Conductivity >](#)
- [High Temperature >](#)
- [Low Temperature >](#)



| | |
|------------------------------------|-------------------------------|
| Thermal Conductivity | 0.06 W/m · °K |
| Brittle Point | -60°C (-75°F) |
| Thermal Expansion | 3.0×10^{-4} mm/mm/°C |
| Other | |
| Viscosity (@ 25°C) | 480 g/min |

[Return to top](#) ^