



## RTV 100 Series Acetoxy-cure Adhesives

The **RTV 100 series** product family is Momentive's premier line of acetoxy-cure adhesives with FDA, UL, NSF, and USDA recognition, and meets MIL-A-46016B specifications. This high performance line, in both paste and flowable grades, offers primerless adhesion to many substrates such as metals, woods, glass ceramics and some plastics. Typical applications include:

- Electrical Insulation
- Formed in-place gaskets
- Assembly applications
- Sealing & Bonding

**RTV 106** is a high temperature paste adhesive that can be used in compliance with certain FDA, USDA and NSF regulations. It is UL listed and meets MIL-A-46106B. Typical applications include:

- Sealing heating elements
- Gasketing
- Electrical insulation
- Sealing & bonding

**RTV 157** is a high strength, paste adhesive. Typical applications include:

- High voltage wire & cable
- Valve sealants
- Turbines
- Fluid metering devices
- Gaskets & sealing devices

**RTV 159** features high temperature and high shear strength in a paste adhesive. Typical applications include:

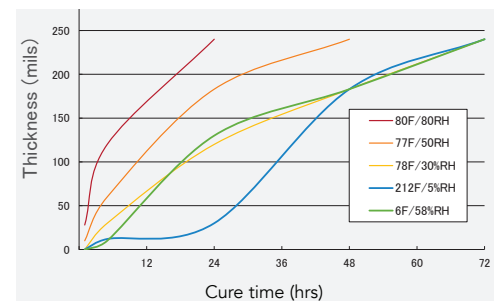
- High voltage wire & cable
- Valve sealants
- Turbines
- Fluid metering devices
- Gaskets & sealing devices

**FRV 1106** is a fluoro-silicone, paste adhesive with excellent resistance to fuel, oil, moisture, UV, ozone and chemicals. Typical applications include:

- Formed in place gasketing
- Sealing & bonding

Many of Momentive's products are listed on leading Airplane manufacturer's specifications like Airbus, Boeing, Bombardier and Gulfstream.

RTV108 typical cure rates - 0.25" thick specimens



Typical properties are average data and are not to be used as or to develop specifications.

### Contact Us

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## Typical Physical Properties

(selected grades only; please contact us for material selection support)

	RTV 100 Series	RTV 106	RTV 157	RTV 159	FRV 1106
Color	RTV 102/103/108/109: White	Red	Gray	Red	Red
Viscosity Application Rate	400 g/min	400 g/min	180 g/min	180 g/min	92 g/min
Useful Temperature Range	-60 to 205° C (-75 to 400°F)	-60 to 260°C (-75 to 500°F)	-60 to 205°C (75 to 400°F)	-60 to 260°C (-75 to 500°F)	-60 to 205°C (-75 to 400°F)
Specific Gravity	1.06	1.08	1.1	1.11	1.45
Hardness, Shore A Durometer	30	30	28	28	39
Tensile Strength	400	375	975	1025	485
Elongation	450	400	825	825	200
Dielectric Strength	500	500	525	500	-
Dielectric Constant	2.8	2.8	2.9	2.6	-
Linear Shrinkage	1	1	1	1	-
Processing: Tack Free Time	20 mins	20 mins	45 mins	45 mins	20 mins
Cure Time at 25°C (77° F)	24 hours	24 hours	24 hours	24 hours	24 hours

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#### Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

#### Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

#### Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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