



# RTV Silicones for Defense Applications

Advanced silicone products that can perform in mission critical applications

At Momentive we understand the unique challenges of the defense industry. Equipment has to function in all conditions and in a wide variety of environments. Our sealants, adhesives, potting and encapsulating compounds, optical materials, and thermal management materials can maintain structural integrity, protect sensitive equipment and dampen shock no matter the weather and in even the most extreme temperatures. From aircraft to tracked vehicles and everything in between, count on Momentive's RTV silicones to perform in mission critical situations.

## Typical Benefits for Defense Applications

- Maintains critical properties for extended time over a wide range of extreme temperatures -115°C (-175°F) to 260°C (500°F)
- Sustained flexibility in extreme low temperatures
- Excellent dielectric and thermal insulation
- Very strong adhesion with primer to support structural integrity
- UV and ozone resistance
- Cures at room temperature
- Available low outgassing solutions that meet or exceed ASTM E595 testing standards to protect sensitive equipment from material contamination in extreme temperatures including under vacuum
- Available in paste to flowable viscosities to accommodate a wide range of applications

## POTENTIAL APPLICATIONS

- Cockpit instrument adhesives and sealants
- Sealing, potting and encapsulating in high heat locations
- Heat dissipation and heat shielding
- Interlayers/displays/LEDs
- Weather protection and ruggedization
- Long term stability under extreme conditions



Product	Description	Category
RTV 100 Series	High performance paste adhesive	MIL-A-46106B
RTV 106	Temperature resistant paste adhesive	MIL-A-46106B
RTV 112	High performance, self-leveling sealant	MIL-A-46106B
RTV 116	High performance, self-leveling sealant	MIL-A-46106B
RTV 118	Temperature resistant flowable sealant	MIL-A-46106B
RTV 120 Series	Paste adhesive	MIL-A-46146B
RTV162	High strength, non-corrosive adhesive	MIL-A-46146B
RTV167	High strength, non-corrosive adhesive	MIL-A-46146B
RTV8111	General purpose, potting sealant	MIL-PRF-23586F
RTV8112	General purpose, potting sealant	MIL-PRF-23586F
RTV8262	High temperature resistant, flowable sealant	MIL-PRF-23586F

## Custom Solutions to Meet Your Needs

Momentive's dedicated Aerospace team is made up of highly experienced Chemists and Application Development Engineers operating in a network of global application development centers. Our team uses onsite, customer process analysis and a collaborative solution development approach to truly understand customer challenges. When combined with time-tested chemistries and over 60 years of flight and in-space time, Momentive is uniquely positioned to identify solutions for the manufacturing challenges of today.

## DEFENSE & GOVERNMENT EXPERTISE

Cage Code: 01139

DUNS: 789994014

NAICS Codes: 325199, 332812

ISO 9001:2015, ISO 14001,  
ISO 50001 Certified†

## Customer Service Centers

Email [commercial.services@momentive.com](mailto:commercial.services@momentive.com)

**MOMENTIVE**™

### Americas

+1 800 295 2392

+1 614 986 2495

### Europe, Middle East, Africa and India

+00 800 4321 1000

+40 212 044229

### China

+800 820 0202

+86 21 3860 4892

### Japan

+81 276 20 6182

+81 276 20 6182

### All Other Countries

+60 3 9206 1543

THE MATERIALS, PRODUCTS AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS INC. AND ITS SUBSIDIARIES AND AFFILIATES (COLLECTIVELY "SUPPLIER"), ARE SOLD SUBJECT TO SUPPLIER'S STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. EXCEPT AS PROVIDED IN SUPPLIER'S STANDARD CONDITIONS OF SALE, SUPPLIER AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBED HEREIN.

Each user bears full responsibility for making its own determination as to the suitability of Supplier's materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Supplier's products, materials, or services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Supplier's standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Supplier. No statement contained herein concerning a possible or suggested use of any material, product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Supplier covering such use or design, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.

† Momentive demonstrates its global commitment to quality and environmental, health and safety performance through multiple third party certification programs. Certifications may vary by product, country and region. For more information visit: <https://www.momentive.com/operational-excellence/accreditations>

Momentive and the Momentive logo are trademarks of Momentive Performance Materials, Inc. Copyright 2019 Momentive Performance Materials Inc. All rights reserved.