

- Eliminate leaks
- Enhance structural soundness
- Self-adhere to metal, aluminum, ceramics, and plastics
- Adapt to any production process without retooling
- Eliminate part numbers and inventory
- Preapplied offsite and shipped for assembly
- Reuse after servicing
- Reduce overall costs and warranty claims

FastGasket®
Sealing And
Assembly Systems

LOCTITE





Simplified, Flexible Production With Shorter Cycles

**Speed. Versatility. Consistency.
Ruggedness. Worldclass Quality.**

These attributes describe the Loctite® FastGasket® family of high-volume gasketing materials. Not just a sealing material, FastGasket® is a total process that anticipates customer needs and delivers the right solutions in assembly efficiency and versatility, quality improvements, reliability, and substantial cost savings.



A robust, 100% solids silicone, FastGasket® is dispensed with precision and repeatability by programmable, robotic tracing equipment directly into the surface groove of the most complex flanges. Each year, more than fifteen million of these cured-in-place (CIP) gaskets seal flanges in vehicles worldwide.



FastGasket® cures
in less than 30
seconds under UV

light, or in convection and microwave ovens. Parts are shipped as modules, ready for assembly – and most gaskets are reusable after servicing.





Thousands of Gaskets in a Single Drum

FastGasket® is the sensible alternative to traditional hard gaskets, which must be applied manually, and require inventories and part numbers. With FastGasket® Flange Sealant, hundreds of thousands of gaskets are contained in a single drum of liquid sealant attached to a high-technology Loctite® dispenser. There is no tooling, no inventory, no part numbers, and no waste. Just hook the drum to the dispenser and program the size and shape of the gasket specified in the design.



...No Inventory...No Tooling...No Waste

The FastGasket® system can adapt to any automotive production operation in the world without retooling. Loctite engineers design and install integrated cells that dispense, cure, and assemble parts for immediate testing and evaluation.

Loctite designed robotic dispensing equipment recognizes parts as they approach the assembly cell and trace precise, seamless bead paths onto complex patterns. It's all done with unfailing speed, accuracy and consistency.

For small batches, the system changes application patterns on-line, produces prototypes within minutes, and replicates them on parts as they arrive at the cell.



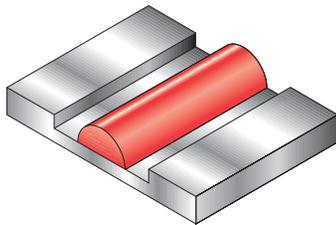
From Design to Final Assembly...

FastGasket® materials are the central element in product development programs in which Loctite takes the lead in research, component design, engineering, testing, validation, and assembly systems. Loctite is the only chemical company in the world with the resources and expertise to provide customers with these seamless solutions.

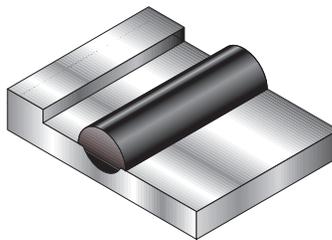
FastGasket® materials are robotically applied to the most challenging flange surfaces with speed and precision.

Every flange design presents a separate challenge, but most come in three basic categories:

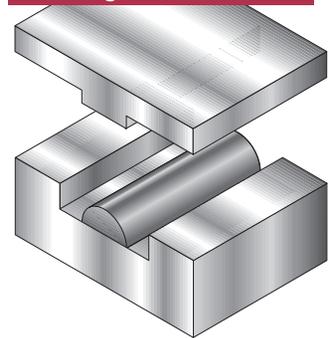
• Void Volume Groove



• Open Flange With Standoff



• Tongue-In-Groove



Loctite works closely with customers in the earliest stages of component design to ensure that flange configurations and surface grooves result in a faultless gasket seal that is leak free throughout the life of the vehicle.

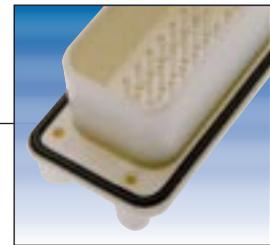


Meet The FastGasket Family

Loctite forms partnerships with customers to develop cost-effective materials and systems that streamline design, engineering, and assembly processes, while improving product quality. Whatever the challenge, Loctite has a full family of FastGasket® products to deliver cost-effective solutions — even when a special product formulation is required.

FastGasket® 5950 UV Moisture Cure

- Black, one-component
- Heat resistant to 150°C
- Superior knit line capability
- Excellent for plastic parts, including door handles and ECM connectors



FastGasket® 5951

- Clear version of 5950
- Supplements vision systems



FastGasket® 5960/5962 (softer) UV Cure

- Translucent, one component
- Heat resistant to 135°C
- Seals most powertrain fluids
- Excellent for sealing waterpumps, control modules, connectors, and sensors



FastGasket® 5963 Convection Cure

- Grey, one component
- Heat resistant to 150°C
- Superior compression set resistance
- Exceptional fluid resistance
- Excellent powertrain applications, including valve covers, oil pans, front engine covers, water pumps, radiator tanks, valve covers



FastGasket® 5964 Convection or Microwave Cure

- Brown, one component
- Softer, greater elongation
- Good compression set resistance
- Excellent powertrain applications, including ABS module housing and covers, and timing belt covers



FastGasket® 5965 Closed Cell Foam Microwave Cure

- Black, one component
- Water resistant
- Doubles in size during cure, saving material costs
- Eliminates need for mechanical foaming equipment
- Excellent for dust covers for electronic components, vibration dampening between components and covers, headlamp housings, audio component enclosures, and exterior mirrors



FastGasket® 5966 Two Part Convection Cure

- Red, two-component
- Aromatic fuel resistant
- Excellent for cam covers, fuel injectors, intake manifolds, and fuel lines



Worldwide Resources and Partnerships

To ensure a continuous stream of solutions for OEM and Tier I customers, Loctite operates a 200,000-square-foot research, development, and engineering center at its North American headquarters in Rocky Hill, Connecticut. The largest RD&E operation in the world devoted to adhesives, sealants, and coatings, the center is QS-9000 certified, as are all Loctite facilities.

The new Loctite Automotive Technology Center, north of Detroit, operates advanced laboratories and sophisticated test equipment dedicated to developing and validating materials for the most demanding applications. In the 40,000-square-foot facility clearinghouse, Loctite collaborates with OEM and Tier I suppliers designing applications for future generations of cars, trucks, and off-road vehicles.

The Loctite Center For Expertise in Dublin, Ireland, develops materials for long-range automotive, industrial, electrical, and electronic applications.



• **Loctite Headquarters, Americas**
Rocky Hill, Connecticut



• **Loctite Automotive Technology Center**
Detroit, Michigan



• **Loctite Center For Expertise**
Dublin, Ireland

For more information on the FastGasket® Line of products, call the Loctite Automotive Technology Center at (248) 828-8000, e-mail fastgasket@loctite.com, or visit us on the web at

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