

SILICONE

Pressure-Sensitive Adhesive

Saint-Gobain Performance Plastics can apply a silicone pressure-sensitive adhesive to our silicone elastomers products, including 1/16" thick and over, as a standard product. The silicone is an inorganic system that functions through a wide temperature range. This adhesive is manufactured to form a nonconductive ash when subjected to a flame.

Typical Properties

Thickness (mils) (Will range depending on the substrate)	10.0
Operating Temperature Range (°F)	-100 – +500
Adhesion to Steel (oz./in. width) (Will range depending on the thickness)	15.0
Shelf Life	
On Silicone Sponge	6.0 months
On Silicone Solid	6.0 months

Once optimum adhesion is reached, the adhesive will not dry out when used within required temperature range.

Values shown are typical. Certified test reports for writing specifications are available.

Adhesion to steel tested on 1.0 MIL polyester, 1.5 MILS of cured adhesive in accordance with ASTM D-1000.

Thermo-Set Cycle:

Adhesion strength can be increased by subjecting the material to 400°F for 1-5 hours.

Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s). SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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Application Advantages

- Excellent hi/low temperature resistance.
- Silicone adhesive is resistant to UV light and fungus.
- Excellent aging once applied to a substrate.
- Often removable without residue.
- Adhesive can be applied at low temperatures.
- Silicone PSA is available on elastomers over and including 1/16" and above.
- Adheres to non-stick surfaces (polyolefins, fluoropolymers, and silicones).
- Excellent wet-out ability.

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