



LOCTITE®

Loctite® 5210™



Ensuring that electronics products function as they are designed to is just one piece of the materials solution Henkel delivers. Protecting printed circuit boards and electronic assemblies from thermal cycling and adverse environmental conditions is the other critical component for product durability and reliability. Under the leading Loctite® brand, Henkel offers several PCB protection products to minimize external product stress and maximize performance. Loctite® silicone gasketing materials offer precise, reliable sealing for electronic enclosures, ensuring that housing modules are tightly secured and componentry is protected.

PCB and circuitry protection is essential in modern, challenging applications and Henkel delivers manufacturers with proven, reliable solutions and peace of mind.

LOCTITE® 5210™ provides the following product characteristics:

Technology	Silicone
Chemical Type	Alkoxy silicone
Appearance (cured)	Translucent to opaque, slightly yellow to straw color paste
Components	One component – requires no mixing
Viscosity	Thixotropic paste
Cure	Room temperature vulcanizing (RTV)
Application	Vibration dampening



PRODUCT DESCRIPTION

LOCTITE® 5210™ is an ultra fast curing, non-corrosive RTV silicone designed for potting, wire tacking, selective sealing, vibration dampening and repair / rework applications on PCBs. It is ideally suited for high-volume manufacturing and is particularly effective for automotive electronics applications or other harsh environments. The thixotropic nature of LOCTITE® 5210™ reduces the migration of liquid product after application to the substrate.

TYPICAL PROPERTIES OF CURED MATERIAL

Physical Properties:

After 1 week @ 22°C / 50% RH
Shore Hardness, ISO 868, Durometer A. 48
Elongation, % 230
Tensile Strength. N/mm² 2.8
(psi) (410)

Adhesive Properties:

After 1 week @ 22°C / 50% RH
Lap Shear Strength, ISO 4587:
Aluminum. N/mm² 1.3
(psi) (190)

TYPICAL PROPERTIES OF UNCURED MATERIAL

Specific Gravity @ 25°C. 1.05
Flash Point. See MSDS
Extrusion Rate, g/min:
Pressure 0.62 MPa, temperature 25°C:
1/8" Nozzle 100 to 700LMS

TYPICAL ENVIRONMENTAL RESISTANCE

Silicones provide excellent environmental resistance due to their unique chemical structure and the inherent properties of the materials.

General Information:

For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

Directions for use:

1. For best performance bond surfaces should be clean and free from grease.
2. Dispense LOCTITE® 5210™ on the parts to pot or seal.
3. Assemble immediately.
4. Allow to cure at room temperature with ambient humidity.
5. Excess material can be easily wiped away with non-polar solvents.

STORAGE

Store product in the unopened container in a dry location. Storage information may be indicated on the product container labeling.

Optimal Storage: 8°C to 21°C. Storage below 8°C or greater than 28°C can adversely affect product properties.

Material removed from containers may be contaminated during use. Do not return product to the original container. Henkel Corporation cannot assume responsibility for product which has been contaminated or stored under conditions other than those previously indicated. If additional information is required, please contact your local Technical Service Center or Customer Service Representative.

**Across the Board,
Around the Globe.** 

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