

SOLUTIONS THAT CURE™



HIGH-PERFORMANCE LIGHT CURE SILICONES FOR MEDICAL DEVICE ASSEMBLY

You are always looking for effective ways to reduce your cycle times, racking space and overall costs. Here's the solution: the next generation of Loctite® Light Cure Silicone adhesives/sealants. Ideal for potting, encapsulating, bonding and gasketing, these flexible, solvent-free, one-part silicones cure tack-free in seconds with either ultraviolet UV or high-power visible light sources to an impressive depth of up to two inches. So revolutionary, they are patented.

BENEFITS

- ISO 10993 compliant for medical device assembly
- Fast processing speeds for automated assembly and immediate testing
 - Reduces production costs and increases reliability
 - Reduces inventory costs
 - Reduces material costs
- High bond strengths on a variety of substrates including silicone
- Deep, consistent cure
- UV or visible light cure – Nuva-Sil® products also offer a secondary, room temperature, moisture-cure mechanism
- Tack-free surface and full cure in seconds
- Single component – no mixing required
- Non-conductive

APPLICATIONS

- Respiratory devices
- Respiratory connections
- Medical tubing
- Tracheotomy devices
- Catheters





PRODUCT DESCRIPTIONS

Loctite® Light Cure Silicones

LOCTITE® 5055™ SILICONE ADHESIVE SEALANT

– Low Viscosity/High Adhesion

A low viscosity, UV or visible light curing, noncorrosive silicone for high speed coating, potting, adhesion or sealing applications, Loctite® 5055™ provides high adhesion for difficult-to-bond substrates, with excellent polycarbonate adhesion. Meets ISO 10993 standards for medical devices.

LOCTITE® 5056™ SILICONE ADHESIVE SEALANT

– Medium Viscosity/Heat and Humidity Resistant

A medium viscosity, flowable, UV or visible light curing, non-corrosive silicone with very high bond strength, Loctite® 5056™ is ideal for high speed adhesion and sealing applications. It provides high adhesion for difficult-to-bond substrates with superior heat and humidity resistance, and offers excellent clarity. Meets ISO 10993 standards for medical devices.

Loctite® Nuva-Sil® Silicones

LOCTITE® 5240™ NUVA-SIL® SILICONE ADHESIVE SEALANT

– Self-Leveling/Secondary Moisture Cure

A self-leveling, UV or visible light curing, noncorrosive silicone ideal for high speed adhesion and sealing applications. Loctite® 5240™ has a secondary moisture cure mechanism, ensuring cure in shadowed areas. It provides high adhesion for difficult-to-bond substrates and makes transparent, white-tinted seals or bonds. Meets ISO 10993 standards for medical devices.



For more information, visit www.henkelna.com/medical adhesives.
For technical information, call 1.800.LOCTITE (562.8483).

ORDERING INFORMATION

| Product | Item Number | Package Size | Appearance | Cure Method* | Viscosity (Cp) | Temperature Range (F) | Shore Hardness | Elongation (%) |
|---------|--------------------|-----------------|----------------------------|--------------|----------------|-----------------------|----------------|----------------|
| 5055™ | 1212167 | 25 ml | Translucent / Light Yellow | UV, V | 525 | -65° to 300° | 55 (A) | 80 |
| | 1214146 | 1 liter | | | | | | |
| 5056™ | 1214249 | 25 ml | Translucent / Light Yellow | UV, V | 2,200 | -65° to 300° | 43 (A) | 170 |
| | 1214250 | 1 liter | | | | | | |
| 5240™ | 1010341 1010320 | 25 ml 300 ml | Translucent / White | UV, V, M | 25,000 | -65° to 200° | 45 (A) | 350 |

* UV = Ultraviolet, V = Visible, M = Moisture

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