



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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