

NEW LIGHT-CURE ADHESIVE SOLUTIONS FOR MEDICAL DEVICE ASSEMBLY—INCLUDING WEARABLE DEVICES

MEDICAL DEVICE ADHESIVES FORMULATED WITHOUT MATERIALS OF CONCERN

Introducing the next generation of Light-Cure Adhesives specifically formulated for the assembly of wearable and other medical devices. LOCTITE® WT 3001 and LOCTITE WT 3003 have been formulated without known sensitizing ingredients and with high-performance in mind.



Continuous Glucose Monitor



Diabetes Management Devices



Detectable
High-contrast red fluorescence for camera detection



Regulatory Compliance
Formulated without IBOA and other materials of concern identified by EU MDR and/or FDA



Biocompatible
Tested to Henkel's test protocols based on ISO 10993 biocompatibility standards



Fast
Jet valve-capable and high-speed, LED-curing



Durable
Impact-resistant, thermal cycling-resistant, and moisture-resistant

LOCTITE® WT 3001 & LOCTITE WT 3003

Light-Cure Adhesives designed for bonding the housings of a range of wearable and other medical devices. These one component, fast LED-curing solutions are formulated without known skin-sensitizing materials, and have good adhesion to commonly used materials such as polycarbonate, ABS, and FR4. LOCTITE WT 3001 and LOCTITE WT 3003 offer thermal cycling, moisture- and impact-resistance, and are available in various package sizes to enable semi- to fully-automated dispensing.



KEY PERFORMANCE PROPERTIES*

FEATURES	LOCTITE WT 3001	LOCTITE WT 3003
VISCOSITY (mPa·s/cP)	150-500	5,000-9,000 (THIXOTROPIC)
APPEARANCE (UNCURED)	CLEAR, COLORLESS	CLEAR, COLORLESS
FLUORESCENCE (UNCURED/CURED)	RED	RED
FIXTURE TIME, 405 NM LED @ 30 mW/cm ² (SECONDS)	<5	<5
SHEAR STRENGTH ON POLYCARBONATE BLOCK SHEARS, N/mm ² (PSI)	28 (4,040)	25 (3,650)
ENVIRONMENTAL RESISTANCE (% RETENTION OF INITIAL STRENGTH, 20 HRS WATER SOAKING @ 40°C POLYCARBONATE, ISO 13445)	96%	90%
SHORE D HARDNESS	75	80

ORDERING INFORMATION

PRODUCT	SIZE	IDH
LOCTITE WT 3001	25 ML SYRINGE	2976840
	300 ML CARTRIDGE	2976851
	1 L BOTTLE	2962584
LOCTITE WT 3003	25 ML SYRINGE	2959132
	300 ML CARTRIDGE	2959134
	1 L BOTTLE	2959133

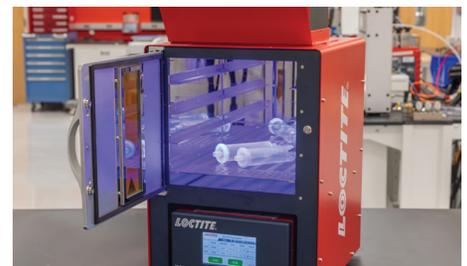
DISPENSING

LOCTITE WT 3001 and LOCTITE WT 3003 can be applied with LOCTITE dispensing equipment designed for manual, semi-automated, and fully-automated operations.



CURING

LOCTITE WT 3001 and LOCTITE WT 3003 can be cured with UV or Visible light. The newest LOCTITE LED-curing units are ideally suited for rapid curing of Henkel's light-curing adhesives.



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