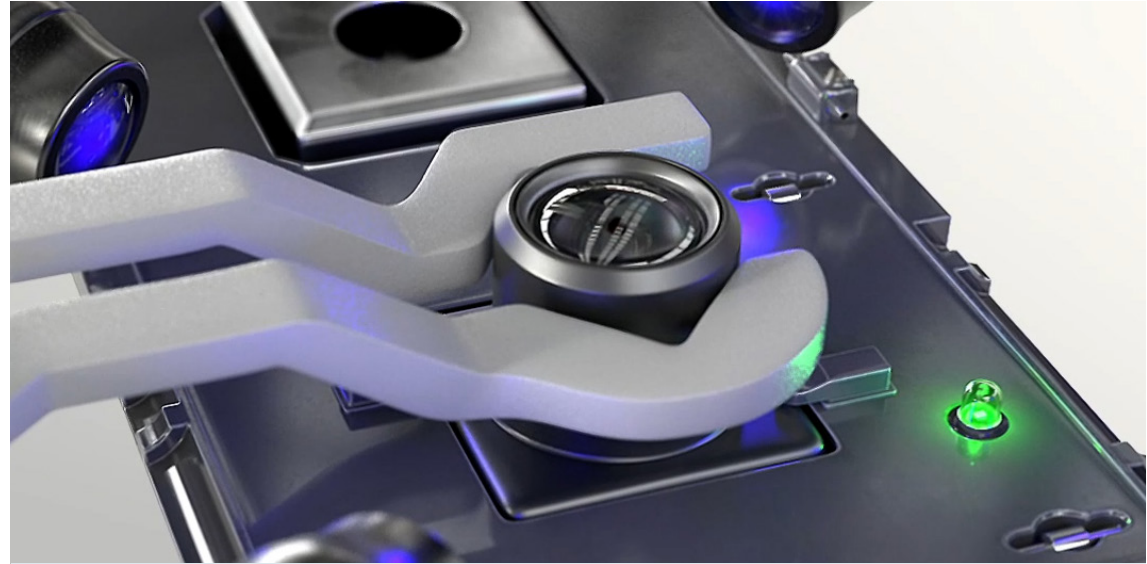


LOCTITE[®]

LOCTITE[®] ABLESTIK NCA 01UV

HENKEL SOLUTIONS FOR ADAS ACTIVE ALIGNMENT ADHESIVES

Revolutionary 1-step cure adhesive for high resolution ADAS cameras and lidars



Features & Benefits

- Full cure within 3 seconds UV LED exposure
- No secondary cure, no thermal stress on component
- Significant cycle time reduction
- Automotive grade for high reliability

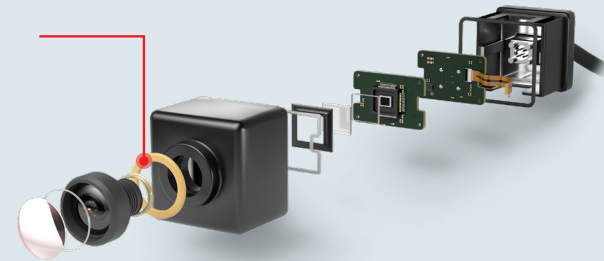


Sustainability Value

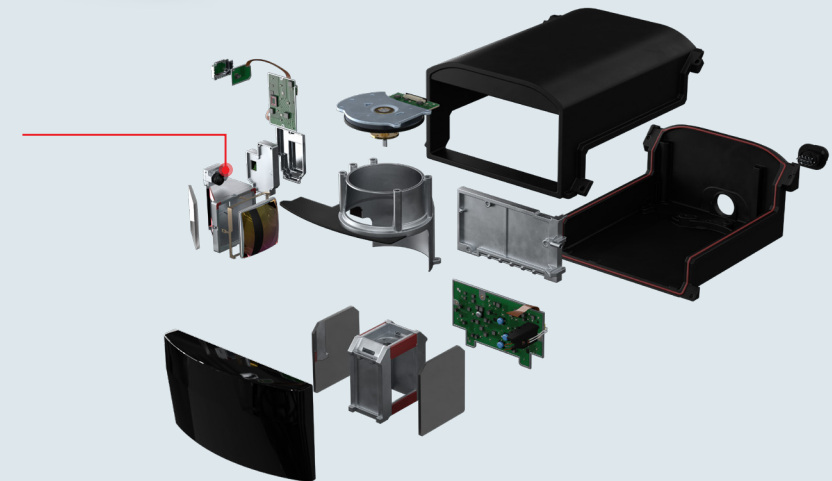
- Free of SVHC, and antimony
- REACH compliant
- Significant CO₂ and energy reduction in manufacturing process



Henkel Adhesive Technologies



CAMERA



LIDAR



LOCTITE® ABLESTIK NCA 01UV

Revolutionary 1-step cure adhesive for high resolution ADAS cameras and lidars

Curing Performance

Typical Cure	Light Source and Condition	UV Wavelength (nm)	Light Intensity (mW/cm ²)	UV Exposure Time	Secondary Cure Process
UV	UV LED	365	1,000	3 seconds*	None

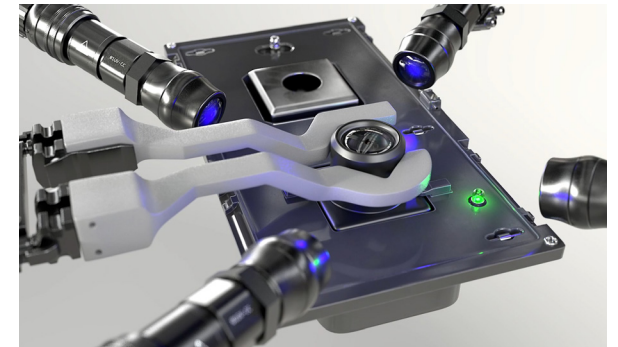
* Curing schedule is depending on total UV dose

Product Properties

Properties	Method	Typical Values	Properties	Method	Typical Values
Tg (°C)	DMA	135°C	Outgassing	TML < 1.00% CVCM < 0.10%	Passes
CTE 1 (ppm/K)	TMA	19	Water Absorption (%)	1,000 hours, 85°C/85% rh	0.18%
Modulus at 25°C (GPa)	DMA	7.5	Cure Depth (mm)	365 nm, 1 W/cm ² , 3 sec.	8
Hardness	Shore D	94	Adhesion (MPa)	DSS after plasma on Al	10.3
Dimensional Change (%)	Pycnometer	0.40	Adhesion (MPa)	DSS after plasma on FR4	9.7
			Storage, 6 months		- 40°C

Typical Applications

Designed for lens to barrel and barrel to PCB bonding applications for cameras & lidars



Available Configurations*

10 cc, 30 cc & 55 cc syringe

Reach out to our experts to partner up for active alignment adhesive applications in automotive and industrial electronics.

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