LOCTITE.



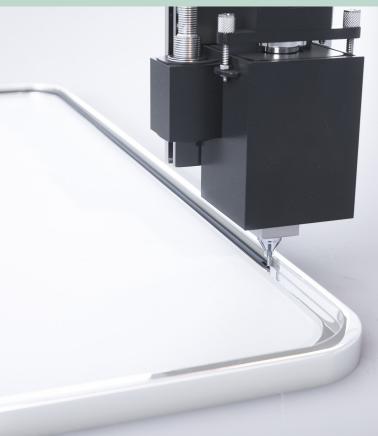
LOCTITE® HHD 3544F

BIOBASED* ELECTRONICS ASSEMBLY ADHESIVE

SUSTAINABLE, LOW EMISSION PRODUCT

* Biobased content measurement: Henkel defines biobased products as containing > 50% of the organic content derived from bio/renewable sources





Industry's first biobased polyurethane reactive (PUR) hotmelt structural adhesive that offers a high-performance, sustainable alternative for consumer electronics assembly.



 60% biobased carbon content directly derived from biomass proven by 14C-analysis



CO₂ footprint reduction through low emission raw material



Product Characteristics	LOCTITE® HHD 3544F	LOCTITE® HHD 3546F	LOCTITE® HHD 3542
Biobased Raw Material Content	60%	20%	0%
Feature	 Good basic bonding performance Long open time Dispensing stability and jetting performance 	Good basic bonding performance Fast fixture and high green strength within 10 minutes	Good initial strength Relatively long open time Excellent elongation and structural durability
Technology	Polyurethane hot melt	Polyurethane hot melt	Polyurethane hot melt
Appearance	Beige solid	Beige solid	Light yellow to amber solid
Cure	Moisture	Moisture	Solidification and moisture
Open Time at 25°C	4 min. (1.75 mm bead)	2 min. (1.75 mm bead)	< 4 min. (1 mm bead)
Application Temperature, °C	90 – 120	90 – 120	90 – 110
Tensile Modulus, MPa	190	125	115
Tensile Strength, MPa	11	9.24	14.36
Elongation at Break, %	1,070	1,143	860
Cross Tensile Strength, 24 hr., PC/SUS, MPa	> 3	> 3	> 3



Features and Benefits:

- > Complete reformulation optimizing the balance between excellent performance and high renewable carbon content
- > Possess desirable mechanical and chemical properties
- › Align with high-volume production objectives, enabling deposition of narrow bond lines via jetting or needle dispensing
- > Integrated fluorescence for in-line automatic optical inspection (AOI)

- Easy processing
- > Excellent bonding to plastics, metal and glass
- > Long open time and work life while dispensing or jetting

Want to find out more?

Contact our technology specialists to learn about our portfolio of sustainable PUR hotmelt structural adhesives.

henkel-adhesives.com/electronics



Global Headquarters

Henkel AG & Co. KGaA Henkelstraße 67 40589 Düsseldorf Phone: +49-211-797-0

Asia-Pacific & Greater China Headquarters

Henkel (China) Investment Co., Ltd. Building 7, The Springs Center 99 Jiangwancheng Road Yangpu District, Shanghai 200438 P.R. China

Phone: +86-21-2891-8000

North America

Henkel Corporation 14000 Jamboree Rd Irvine, CA 92606 **United States**

Phone: +1-855-243-6535

Scan the QR code above to access the technical product information.

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