



3M Science.
Applied to Life.™

3M™ Chemical-Resistant Adhesive Transfer Tape 96105CR

Help wearable electronic devices keep up with the times.

Even after the toughest workouts, this tape keeps working. It's resistant to sweat, corrosion, skin oils, water, sunscreen, perfume, humidity, household cleaners and more. It's time for an adhesive as advanced as your device.

Expect performance. Spec 3M.



Engineered to last.

Chemical resistant + reliable

You needed a better chemical-resistant adhesive for wearable devices. So we created 3M™ Chemical-Resistant Adhesive Transfer Tape 96105CR. Simply apply heat and lamination pressure for successful adhesion. This tape won't interfere with your design — and it will stay strong, even when exposed to skin and the environment.

- ▶ Instant adhesion with higher lamination pressure and heat [$<60^{\circ}\text{C}$ ($<140^{\circ}\text{F}$)]
- ▶ Superior consumer chemical-resistant performance
- ▶ High bond strength to high/medium surface energy substrates
- ▶ Versatile to work with wearable device designs, such as small and narrow die-cuts
- ▶ Produced on a clean room coater, so your finished design will stay free of dirt, dust and debris

▶ **It seals**

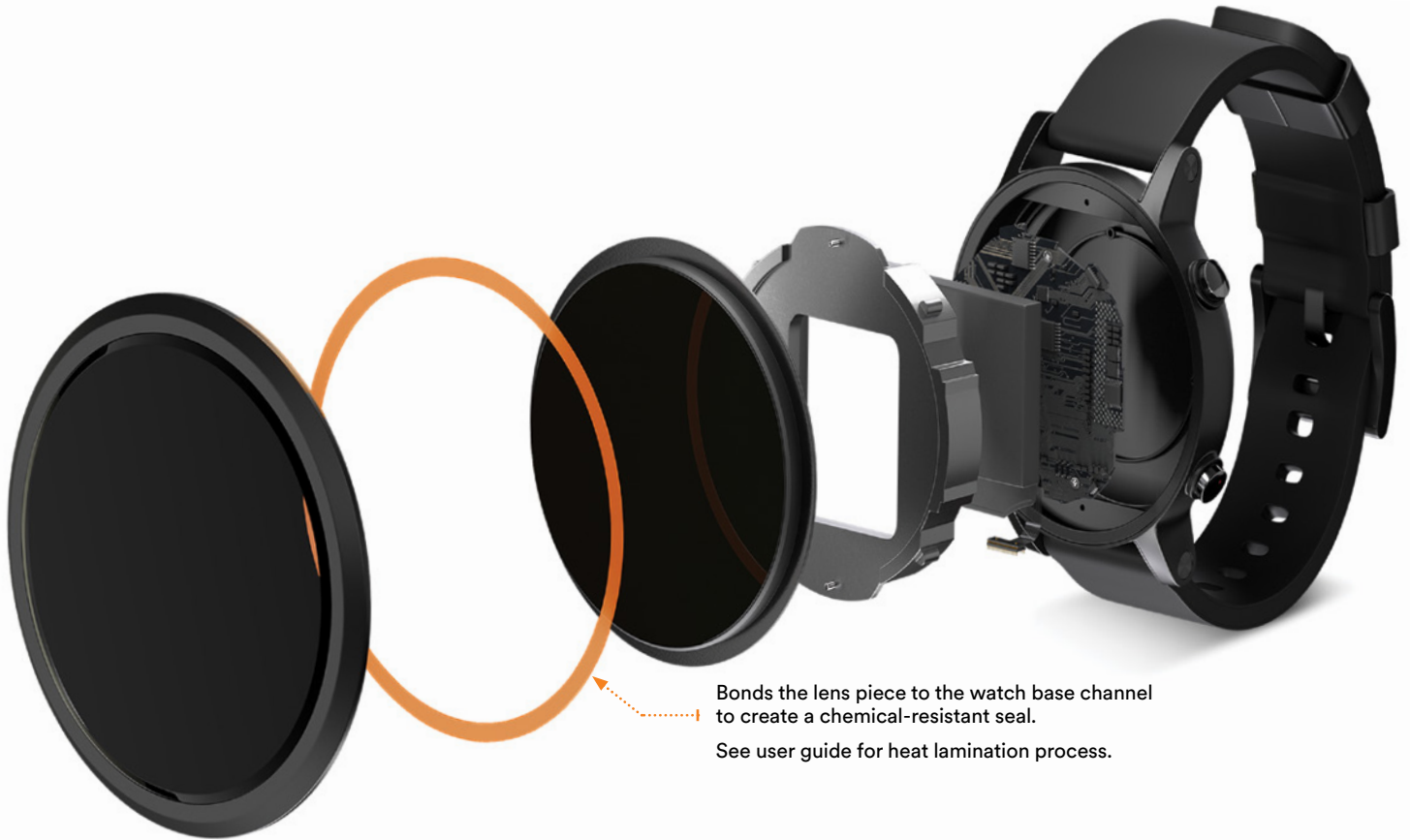
Creates a waterproof seal to protect components.

▶ **It bonds**

Resists contact with sweat, water and common chemicals.

▶ **It protects**

Keeps sensitive electronics safe from damaging chemicals.



Bonds the lens piece to the watch base channel to create a chemical-resistant seal.
See user guide for heat lamination process.

Other Applications Include:

Touch panel bonding | Flexible circuitry bonding | Home button bonding | Accessories bonding
Keyboard bonding | Volume button bonding | Camera lens bonding | Medical assembly and more

▶ **Resistant to consumer chemicals and more.**



Water



Sweat



Skin oils



Cosmetics



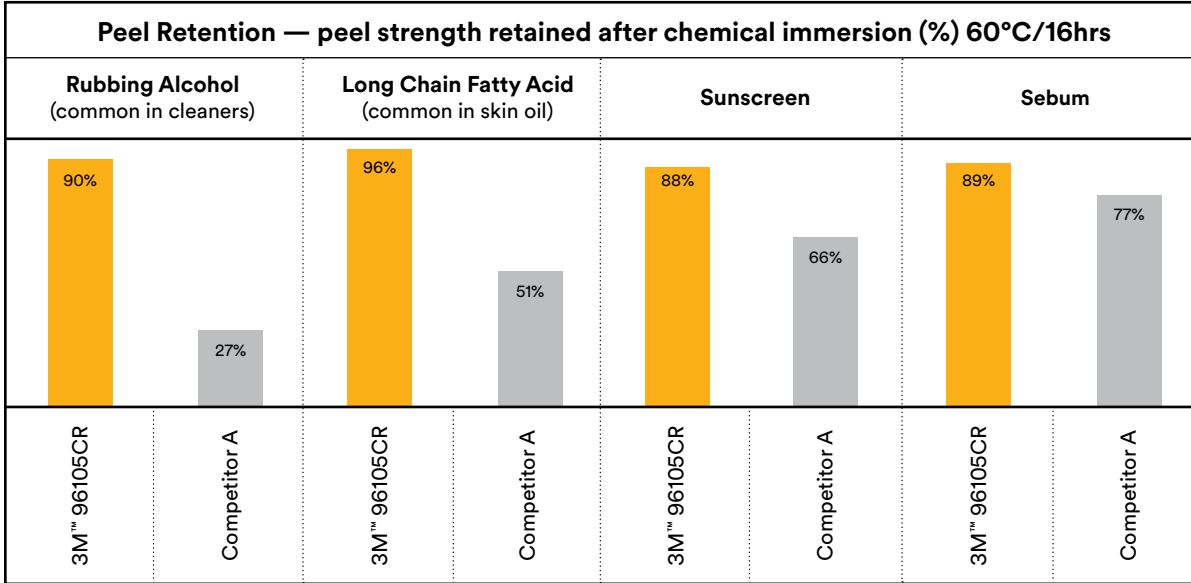
Humidity



Cleaners

The wearables adhesive that won't wear out.

Chemical-Resistant Performance:



Product Information:

3M™ Adhesive Transfer Tape	Total Thickness (without liner)	Adhesive Type	Adhesive Thickness	Release Liners	Short-Term Temperature Resistance	Long-Term Temperature Resistance
96105CR	0.05mm	Proprietary Chemical-Resistant Adhesive	0.05mm	Clear PET	149°C (300°F)	93°C (200°F)

Manufactured on a clean room coater.

Please check the **Low Temperature Heat Lamination User Guide** for 3M™ Chemical Resistant Adhesive Transfer Tape 96105CR. 0.1mm and 0.15mm thickness are under development. Contact 3M for samples.

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.



Electronic Device Bonding
3M Center, Building 225-3S-06
St. Paul, MN 55144

Phone 800-362-3550
Web 3M.com/converter

