

NEW

DuploCOLL® HCR

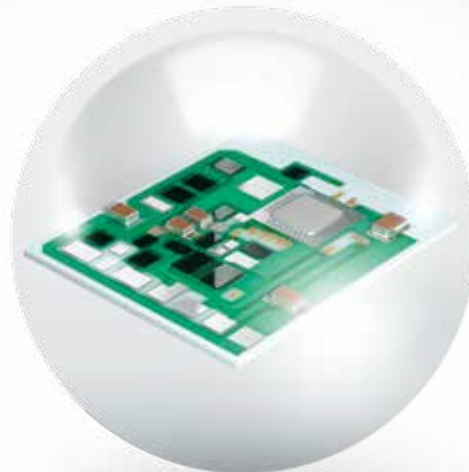
- heat-resistant
- chemical-resistant
- silicone-free
- sealing
- electrically insulating



Chemical-resistant



Heat-resistant



Sealing



Silicone-free

DuploCOLL® HCR

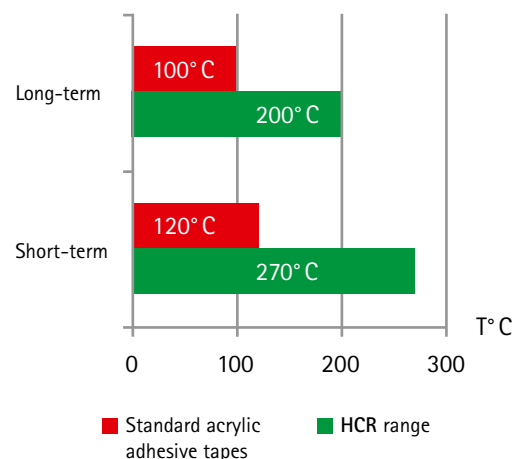
New and efficient: the silicone-free adhesive tape with a high temperature and chemical-resistance.

The demands of the electronics industry are clear: adhesive solutions for circuit boards, sensors, LEDs / OLEDs, flat cables, etc. must continually withstand higher thermal and chemical loads - both during processing and in use. To date, this means that after the soldering process in the oven, the reverse side of the circuit boards must be manually provided with a self-adhesive finish. This is inefficient and costly.

With DuploCOLL® HCR (Heat & Chemical Resistance) you can save this additional process step. The latest innovation from the Lohmann Bonding Engineers can be applied beforehand by machine and can easily withstand the subsequent high temperatures in the soldering furnace. Due to the silicone-free bonding based on pure acrylate there is no outgassing, which can otherwise lead to electronic failures or contamination of soldering media. And that in combination with strong adhesive bonds, which are easy to handle, electrically insulating, non-aging and UV-resistant, yet possess high sealing properties.

By the way: The tapes from the DuploCOLL® HCR range meet the current regulatory requirements (IMDS, REACH, RoHs). They are available in different layer thicknesses, as rolls or individual die-cut parts - exactly adapted to your requirements.

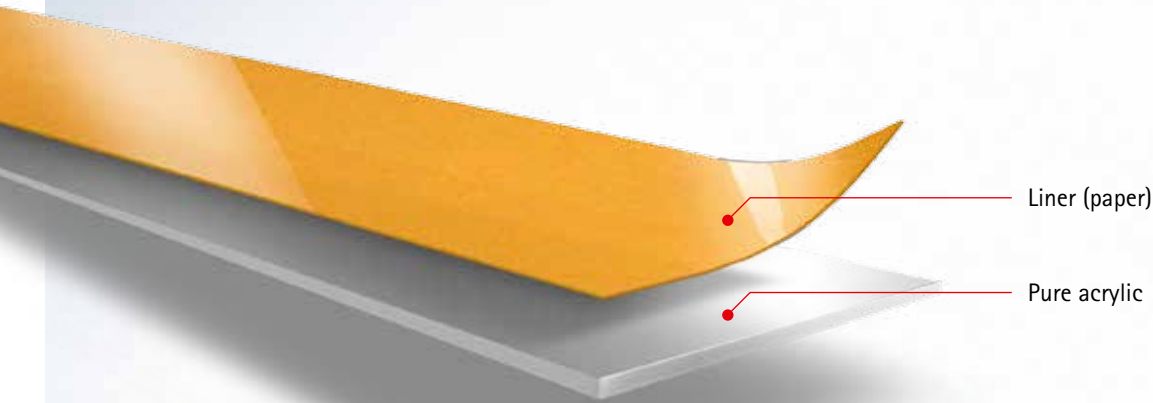
Great performance under thermal loads



Adhesive bonds from the DuploCOLL® HCR range retain their adhesive and resistance strength at temperatures of 200°C, and on a short-term basis even at 270°C.

High performance on a pure acrylate basis

DuploCOLL® HCR – the bonding talent with a versatile resistance strength.



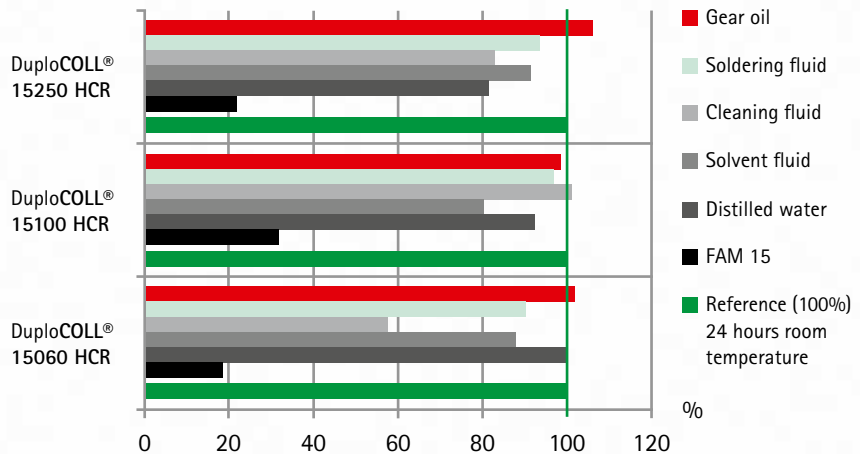
Test results that convince.

Whether extreme temperatures or influences from oil, distilled water, soldering media or cleaning fluids – adhesive bonds with DuploCOLL® HCR achieve a consistently strong performance with excellent resistance.

Significant results: The test values confirm almost unchanged physical and adhesive properties of the adhesive material after a 24-hour, complete immersion in chemicals. The accompanying graphic illustrates the outstanding product characteristics of the DuploCOLL® HCR series at a glance.

You would like to receive more information about how you can integrate DuploCOLL® HCR into your production process? Please contact us. We will be happy to help.

Tested chemical resistance according to the FINAT test method No. 17



Peel adhesion 180° after 24 hours of complete immersion in the test chemicals.

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 **Lohmann**
The Bonding Engineers