

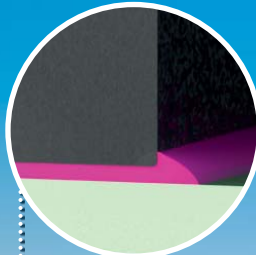
Adhesives for MEMS Packaging

Die Coating / 5-Face Coating

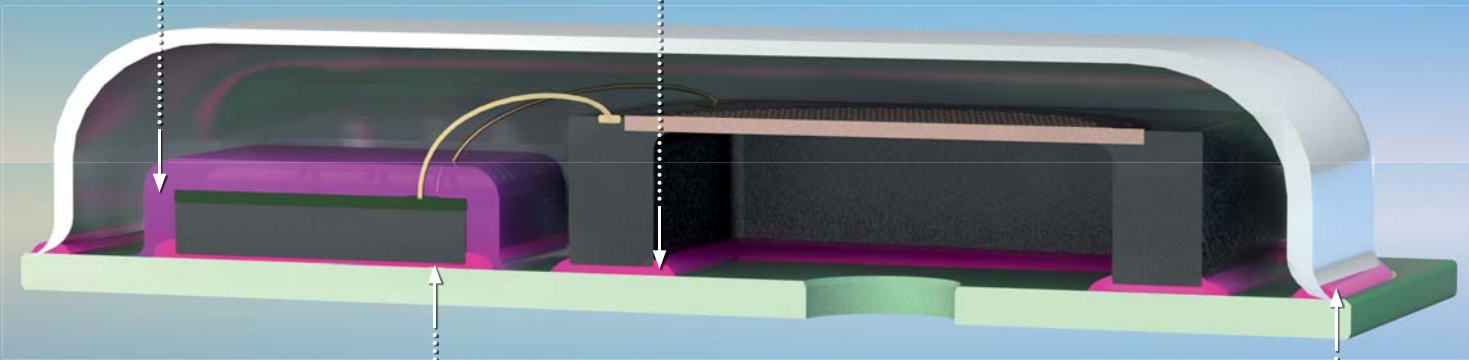


- Your benefits**
- IR shielding
 - Partial/full encapsulation
 - Smallest footprint
 - Jet dispensing for a fast process

MEMS Die Attach



- Your benefits**
- B-stage capability
 - High bond strength (> 10 MPa on FR4)
 - Ultrafast dispensing
 - Low Young's modulus (< 1 MPa @ rt)
 - High aspect ratio for max. stress decoupling

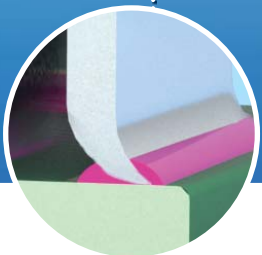


ASIC Die Attach

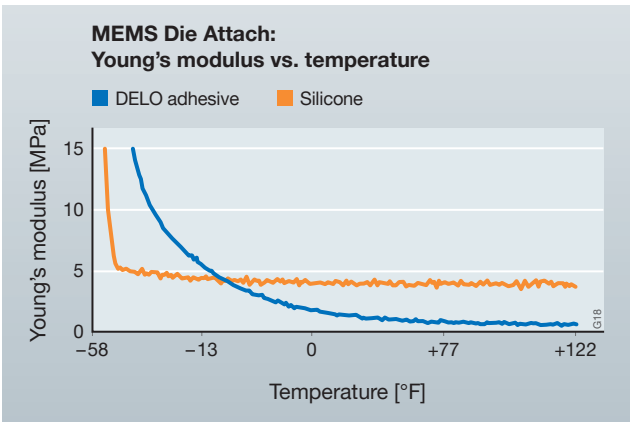


- Your benefits**
- High reliability
 - Fast curing
 - Ultrafast dispensing

Cap Bonding / Lid Attach



- Your benefits with NCA**
- High adhesion (i.e. to LCP, Nickel, etc.)
 - Ultrafast dispensing
 - No blowouts/pin holes: B-stage/Dualbond/VLT
- Your benefits with ICA**
- Flexibility and conductivity
 - Precise beads
 - Dual curing



Highest flexibility and fast processes

Our MEMS die attach adhesives are highly flexible, feature a very low Young's modulus in combination with high shear strength and a large aspect ratio of the adhesive bead, superior to silicones. In addition, the dual-curing materials can be dispensed ultrafast in order to improve process speed.

The very low Young's modulus improves signal characteristics of high-end devices over the whole temperature range of common use.



Discuss your project and requirements:

MEMS-Team@DELO.de

CONTACT

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..... www.DELO-adhesives.com

08/18

ADHESIVES

DISPENSING

CURING

CONSULTING

DELO

The data and information provided are based on tests performed under laboratory conditions. Reliable information about the behavior of the product under practical conditions and its suitability for a specific purpose cannot be concluded from this. It is the customer's responsibility to test the suitability of a product for the intended purpose by considering all specific requirements and by applying standards the customer deems suitable (e. g. DIN 2304-1). Type, physical and chemical properties of the materials to be processed with the product, as well as all actual influences occurring during transport, storage, processing and use, may cause deviations in the behavior of the product compared to its behavior under laboratory conditions. All data provided are typical average values or uniquely determined parameters measured under laboratory conditions. The data and information provided are therefore no guarantee for specific product properties or the suitability of the product for a specific purpose. Nothing contained herein shall be construed to indicate the non-existence of any relevant patents or to constitute a permission, encouragement or recommendation to practice any development covered by any patents, without permission of the owner of this patent. All products provided by DELO® are subject to DELO®'s General Terms of Business. Verbal ancillary agreements are deemed not to exist.

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