

Structural Bonding solution for Automotive Displays Polyurethane-based reactive (PUR) hotmelt

Henkel's LOCTITE one- component PUR hotmelt adhesive is a soft and and flexible adhesive particularly suitable for bonding dissimilar substrates. It is applicable for super narrow bond lines and shows better bonding strength than conventional adhesive tape.

LOCTITE PUR hotmelt series are suitable for the requirements such as:

- Bond dissimilar substrates and gap filling
- High creep resistance and reliability under thermal cycle condition
- Fully automated process realization for efficient component production

Henkel is a partner capable of providing materials and finding solutions to help drive advances in automotive displays.





Typical applications

- »Head up displays
- »Center information displays
- »Instrument clusters
- »Front and rear (seat) entertainment displays
- »Side and rear-view e-mirrors



Features & Benefits

- »One component adhesive
- »Low application temperature (90-110°C)
- »Non-silicone (no out-gassing)
- »Variable open times
- »Cures at room temperature with moisture reaction
- »Bond dissimilar substrates with different CTEs
- »High temp & chemical resistance
- »Applicable for narrow bond lines (< 0.1mm width)



Henkel's bonding solutions are reducing the waste largely in production of automotive displays compared with adhesive tapes which are conventionally used in this area.

| FEATURES | 2 • Soft, Short open time • Designed for light interception | 6 • Very soft • Long open time | 1.5 Soft, Very short open time High initial strength Designed for light |
|----------------------------|--|--------------------------------------|--|
| ELONGATION, % (CURED) | 839 | 860 | 892 |
| HARDNESS, SHORE D (CURED) | 35 | 20 | 35 |
| VISCOSITY, MPA S (UNCURED) | 3,500-7,000 | 5,500-6,000 | 4,500-7,000 |
| COLOR | Black | Black | Black |
| PRODUCT | LOCTITE [®] HHD 3573 | LOCTITE [®] HHD 3593 | LOCTITE [®] HHD 3597 |

Reach out to our experts to partner up for adhesive applications in automotive electronics.

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