

UV cure optical display adhesives - crystal clear & non-yellowing

Dymax Light-curable Optical Display & Touch Screen Laminating Adhesives are specifically formulated for applications where durable, crystal-clear, invisible bonds are required. Their fast, on-demand cure allows substrates to be repositioned precisely until parts are ready to be cured. These one-part LCD adhesives are designed for touch panel assembly including bonding flat panel displays, LCD screens, tablets, outdoor kiosks, navigation systems, liquid crystal displays, kiosk panels, mobile phones, and smart connected devices.

The Dymax family of **Ultra Light-Weld® Optical Display and Touch Screen Adhesives** are available in varying viscosities for use in flat panel display bonding where bond strength, non-yellowing, and re-workability characteristics are important. The two low-viscosity materials, **Dymax 9701** and **Dymax 9702**, offer easy-flow characteristics for panel laminations while **Dymax 9703**, the higher viscosity product, is available for damming requirements.

These adhesives feature “on-demand cure” with UV/visible light which means that substrates can be repositioned precisely until parts are ready to be cured, while using a thin layer of adhesive controls cost and can reduce the weight of the final product. LCD adhesives help reduce air entrapment and bubbles to create strong, ripple-free bonds that help increase panel strength – they also act as a barrier against stress, significantly improving product reliability and warranty costs.

Optical Display & Touch Screen Laminating Adhesives are suitable for bonding – glass/glass, PET/ITO glass, CAB polariser/acrylic, polycarbonate/polycarbonate, glass or polycarbonate/CTA, polycarbonate/mesh/polycarbonate.

Other characteristics include: non-yellowing for increased light transmission, enhanced brightness, optical clarity, and better contrast ratios; excellent bond strength; superior re-workability for easy removal or repair; easy flow characteristics for flat panel lamination; excellent thermal shock

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resistance; and low shrinkage which minimizes visible distortion after cure.



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