

Tough Touch Panels



Durable materials create a vast array of durable designs

An ideal choice for applications operating in harsh environments or where durability is important:

- Mobile Computing
- Medical Equipment
- Military Equipment
- Aerospace Equipment

Benefits of Gunze Tough Touch Panels

- Highly durable
- Overlay choices from 2H-9H
- Polycarbonate substrates offer lightweight durability
- Chemically strengthened glass substrates increase impact resistance

Tough touch panels use polycarbonate or chemically-strengthened glass to assure durability, yet are lightweight, compact.

Lightweight Yet Durable Plastic Construction

Answering the demand for lightweight, plastic materials suitable for use in PDAs, Gunze combines a Film-Film (F-F) touch panel with a plastic substrate. The electrodes are comprised of 0.1 - 0.2mm thick ITO coated film. These are adhered to a 1 - 2 mm thick plastic substrate.

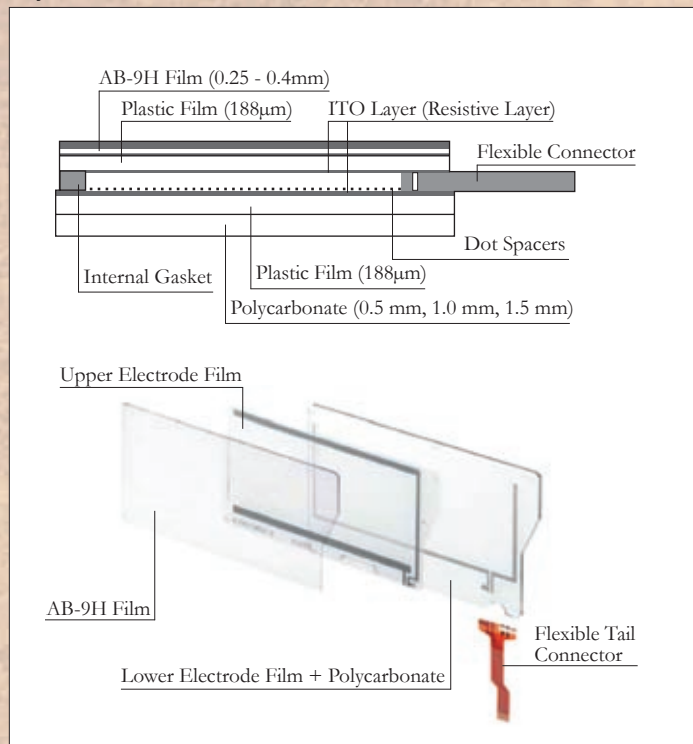
Polycarbonate Touch Panels

Gunze adjusts the heat expansion coefficients of the polycarbonate material used in its touch panels, overcoming warping problems that can result when plastic is used instead of glass.

In addition to being lightweight and fracture resistant, polycarbonate can be shaped in any way imaginable, enabling design possibilities other than traditional rectangles or squares.

Note: Maximum 6.4 diagonal

Polycarbonate Cross-Section



The premier source for analog resistive touch panels.

Learn more about other Gunze USA touch panel solutions

Along with tough touch panels, Gunze USA provides film-glass, high-transmissive, and LCD integrated touch panels. Configurations in 4-wire, 5-wire and 8-wire are available in custom designs, as well as in a range of cost-effective standard models. To learn more about Gunze USA touch panel solutions, call 512-990-3400 or visit www.gunzeusa.com

About Gunze USA

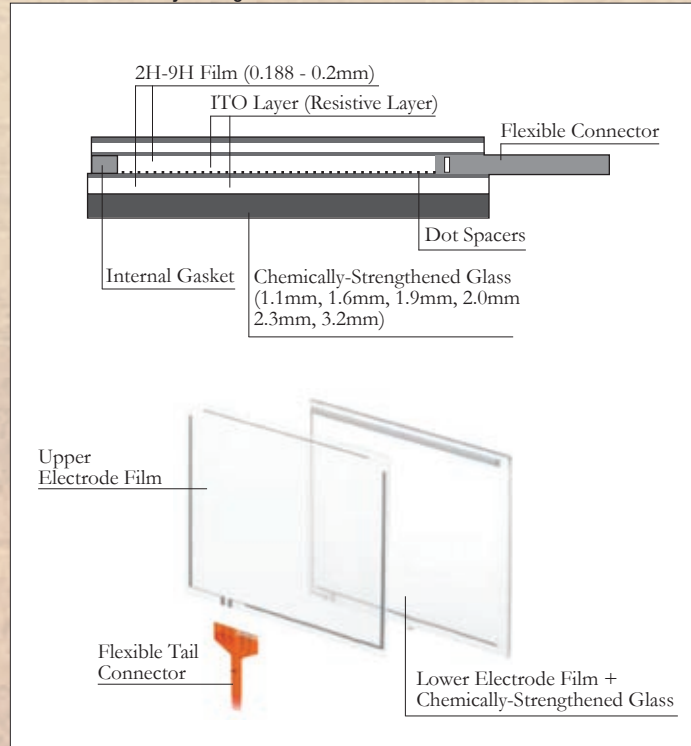
Gunze is one of the world leaders in resistive touch panel manufacturing. Gunze USA is a division of Gunze Limited, Japan, a multibillion-dollar company and the largest manufacturer of resistive touch panels in the world, employing over 8,000 people who work together to achieve international leadership through innovation.

Gunze USA works with OEMs and system integrators to design both standard and custom touch panel solutions. In addition, the company manufactures a wide variety of standard panels and total interface solutions for consumer electronics, industrial, automotive, medical, mobile, and POS/retail kiosk applications.

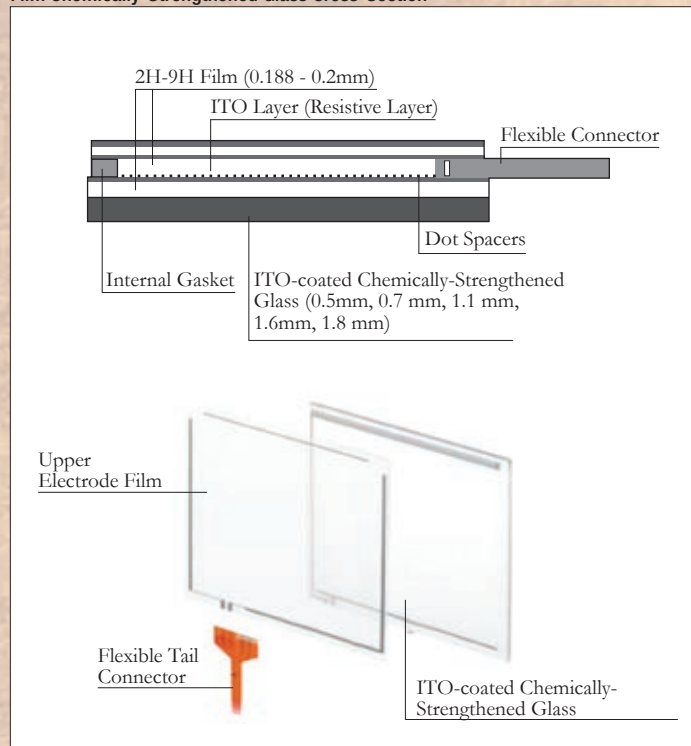
Chemically-Strengthened Glass Touch Panels

Gunze creates rugged touch panels by substituting the standard glass in Film-Glass panels with chemically strengthened glass. Chemically strengthened glass is twice as durable and impact resistant than standard glass.

Film/Film Chemically-Strengthened Glass Cross-Section



Film Chemically-Strengthened Glass Cross-Section



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