

## Silicon Foam Gasket

### Offers sealing protection against light water exposure and dust

Touchscreens are inevitably exposed to water which can come from cleaning, beverage splashing, or for portable devices - rain. They are also more likely to be exposed to mechanical shock, such as banging or dropping.

We offer Silicon Foam Gaskets for our 4.3" and the 5.7" Display Modules. Gaskets offer sealing protection against light water exposure and dust. They also offer load distributing, gap filling, mechanical shock protection, and over-press cushioning. See details on Page Two.

Gaskets are made of Black Silicone Foam HT-800, a highly versatile, medium firmness silicone that offers the lightness of a foam, with the enhanced sealing capabilities of a traditional sponge rubber. This offers:

- Excellent memory and low stress relaxation which reduces maintenance costs associated with gasket failures due to compression set and softening.
- Resistance to ultraviolet light, ozone, extreme temperatures, and flame enables consistent performance in all environments.
- Compact cell structure and unique formulation provides enhanced sealing performance to resist penetration of fine particles and wind-driven rain.

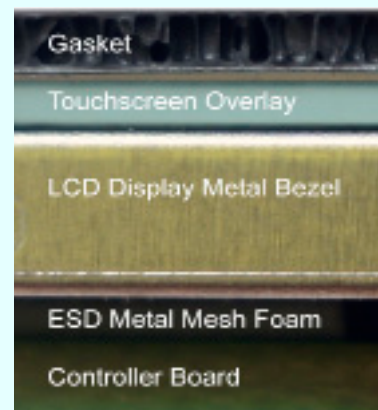
Gaskets are applied to display modules using a custom fixture to help the operator locate and apply the gasket with pressure sensitive adhesive to the LCD panel.

## Pricing

Includes installation. Gaskets are \$7 each.

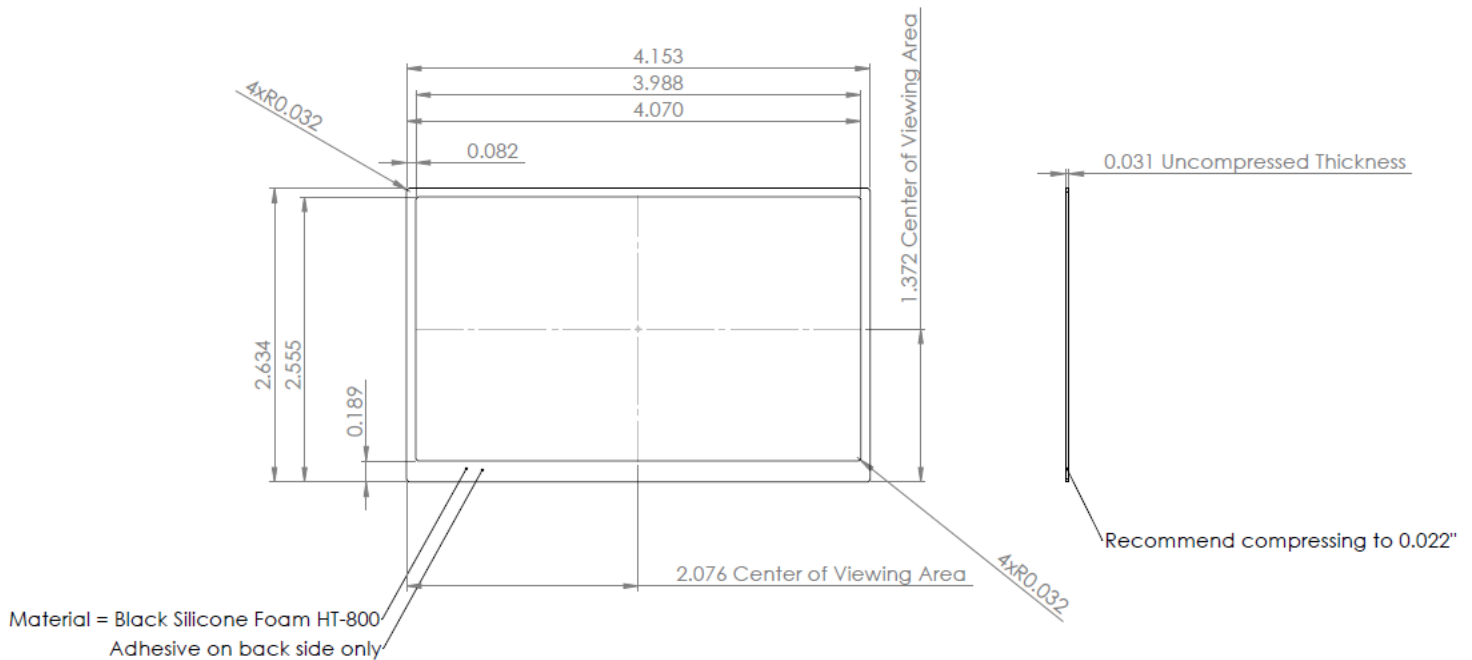


Shown Above: 4.3" Display Module with Black Silicone Foam HT-800 Gasket.



Side view of the gasket applied to a display module.

For additional details see Page Two for a mechanical drawing.



Shown Above: 4.3" Front and side views with mechanical specifications. Thickness for 5.7" modules is the same.

- **Gasket/Sealing:** Seals at the edge of the viewing area for simple dust sealing, light water exposure such as occasional water drips, or cleaning.
- **Load Distributing:** Helps spread the compression load of the housing or bezel on the display. Without a gasket, the enclosure that holds the display in place can create pressure points on the display, in some cases causing distortions, false contacts or short circuits.
- **Gap Filling:** Similar to load distributing, touch panel gaskets are used to fill gaps between the screen and the display and/or the screen and bezel. The gasket will take up gaps generated by tolerance stack-ups in the device.
- **Mechanical Shock:** Offers some cushioning to protect the display from damage due to mechanical shock. In the event that a device is dropped or banged, the gasket will act as a touchscreen cushion, offering a limited amount of protection.
- **Over-Press Cushioning:** The gasket deflects, takes up, and spreads the load offering some protection from over-press or overloading in a small area.

### To Order

Add 4.3" Gaskets (Part Number: 22-0070-01) or 5.7" Gaskets (Part Number: 22-0072-01) to your production order, by contacting Reach Sales (510-770-1417 x112, sales@reachtech.com).

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