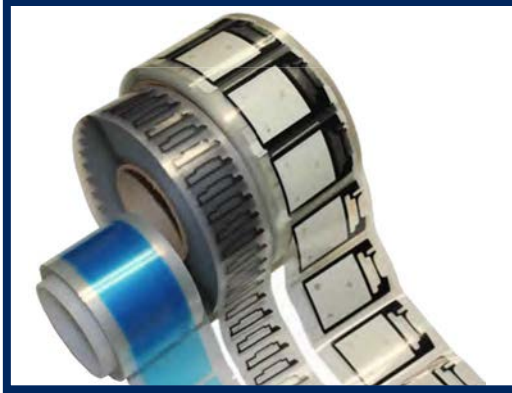


## Gaskets & Seals



Gaskets and seals are components that are designed to prevent liquid, dust, debris, air, gas, EMI, light, chemicals or other items from entering or exiting a device. They are designed to fill the space between two imperfect mating surfaces, with the gasket or sealing material accommodating surface irregularities.

A gasket or seal is generally made from a semi-resilient, conformable material that can have a number of highly specialized customizations optimized for the end product application. Material selection and gasket design rely on environmental conditions, compressive forces, mating surface finishes, material compatibility and temperature variations.

### Common Applications

- Acoustic speaker screens & filters
- Air intake, exhaust & filtration gaskets
- Airflow management & filtration
- Bumpers, cushions, spacers & gap fillers
- Cabinet & control panel door gasket, window frame gaskets
- Compartment door seals
- Dash, door, trunk, hood & window seals
- Dust & water proofing
- Electronic device housing vents
- EMI shielding gaskets
- Environmental & containment sealing, closed cell foam pads
- Foam air & fluid filters
- Grommets & plugs
- Heat shielding
- I/O (input/output) gaskets
- Instrument panel gasketing

- Lens, LCD & OLED screen gaskets
- Low break-away & running friction seals
- Moisture indicators
- Oil pan gaskets
- Optically clear touch screen gaskets
- O-Rings
- Radiator shielding & air deflection seals
- Rubber, neoprene, foam, EPDM gaskets
- Shifter boot seals & manifold gaskets
- Shock & vibration absorption
- Thermal & acoustic insulation & damping
- Thermal transfer gap pads
- Valve & timing cover gaskets
- Ventilation / HVAC system gaskets & seals
- Vibration management
- Weather & dust proofing, weather stripping

# Gaskets & Seals

## Common Materials

Bucote, nicote  
Buna-N nitrile, Buna-S rubber  
Cloth, cloth-inserted rubber  
Cork & cork-rubber comp  
ECH (epichlorohydrin)  
Electrically conductive foams, fabrics, rubbers & tapes  
EVA (ethylene vinyl acetate)  
Flexible & rigid vinyl  
Natural rubber  
Neoprene rubber & coated fabrics  
Open & closed cell foam & sponge  
Plastics  
Polyethylene, polystyrene, polypropylene,  
polyurethane & polyimide  
PVC sponge  
Silicone rubber  
Stainless steel

## Special Characteristics & Solutions

### Possible Customizations:

Resistant to oil, flame, mold, heat & other various  
chemical & environmental exposures

Thickness

Durometer

Compression set & resistance

Density

Color

Vibration & acoustic damping for long term device  
durability

Made from various flexible & resilient materials that can  
be reinforced if desired & lubricated for easy assembly

Delivered in various formats: kiss cut to a liner, presented  
on sheets or continuous rolls, die cut individually

Optimized for pick & place automatic assembly

Plain or adhesive-backed for easy peel & stick applications  
featuring a wide variety of tapes & adhesives

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