



# Appliance

Sealing, Insulating & Quieting the World

## 65+ Years of Experience & 22 Locations Worldwide

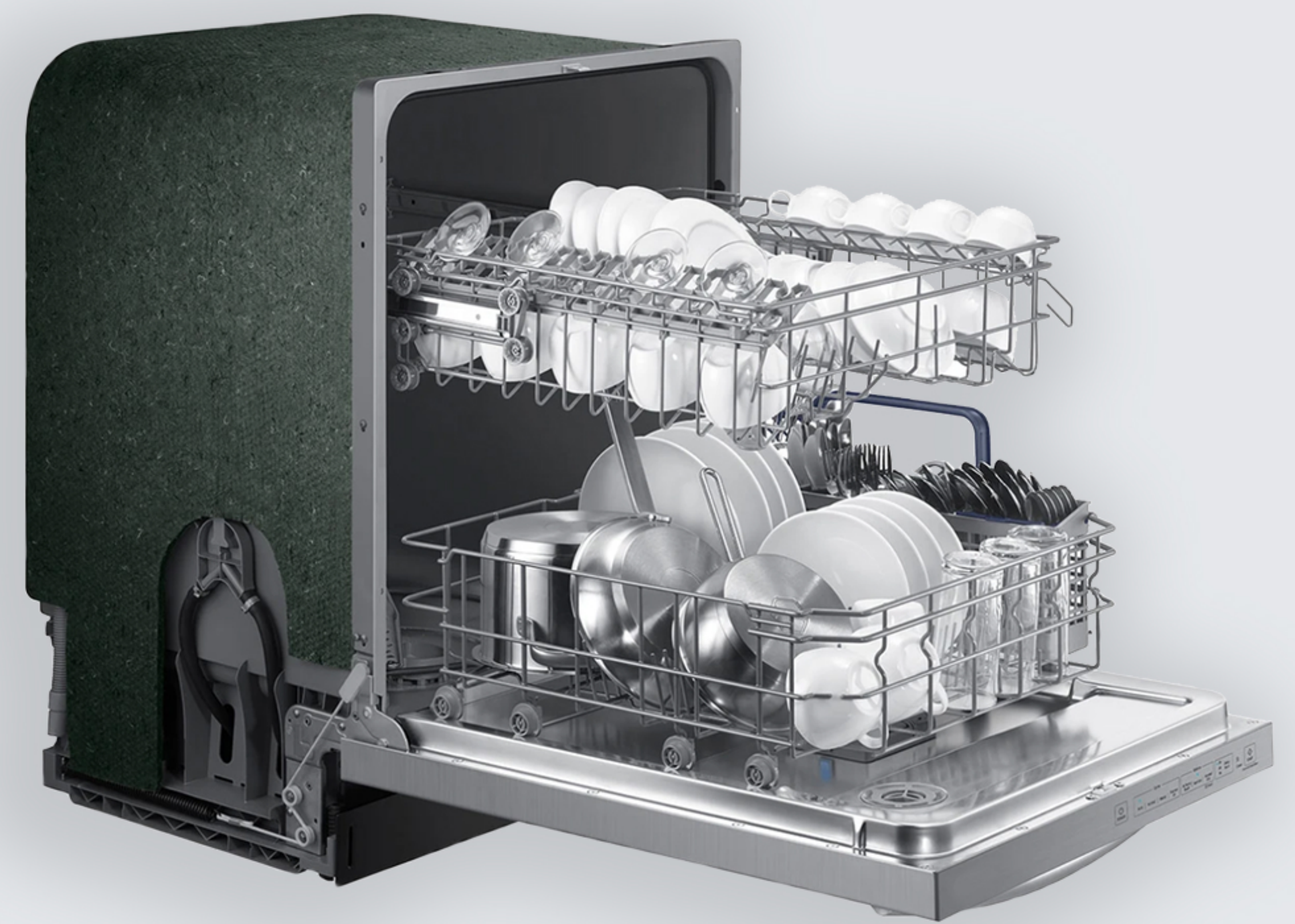
Alabama ▪ Arkansas ▪ Florida ▪ Georgia ▪ Iowa ▪ Indiana ▪ Kansas ▪ Kentucky  
Tennessee ▪ Texas ▪ Mexicali ▪ Monterrey ▪ Nuevo Laredo ▪ San Luis Potosi ▪ Nanjing

### Applications:

When it comes to appliance insulation, the abatement of thermal, sound, odor, vibration, and moisture is crucial. PSC has partnered with suppliers worldwide to offer an array of materials in varying sizes, densities, and forms.

#### Examples of Applications:

- Acoustic insulation
- Packaging
- Sealing & gasketing
- Thermal insulation
- Vibration isolation



### Capabilities:

PSC's diverse capabilities allow for fabrication of low, medium, and high volume parts. These capabilities include rapid prototyping, skiving, laminating, custom die cutting, sewing, molding, laser and water jet cutting, slitting, engineering, rotary die cutting, kiss cutting, warehousing, JIT shipping, and more!



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## Bitumen

Bitumen and asphalt provide superior acoustical insulation and sound dampening. Often provided on a fiberglass scrim, bitumen can be laminated to aluminum foil, fiberglass, polyester, or acrylic, it is easily processed, and can be thermal bonded.



## Foam Rubber

This material is also known as sponge rubber and is produced by introducing a foaming agent that creates air pockets in the material. Foam rubber can be laminated multiple times to a wide variety of other materials including pressure sensitive adhesives.



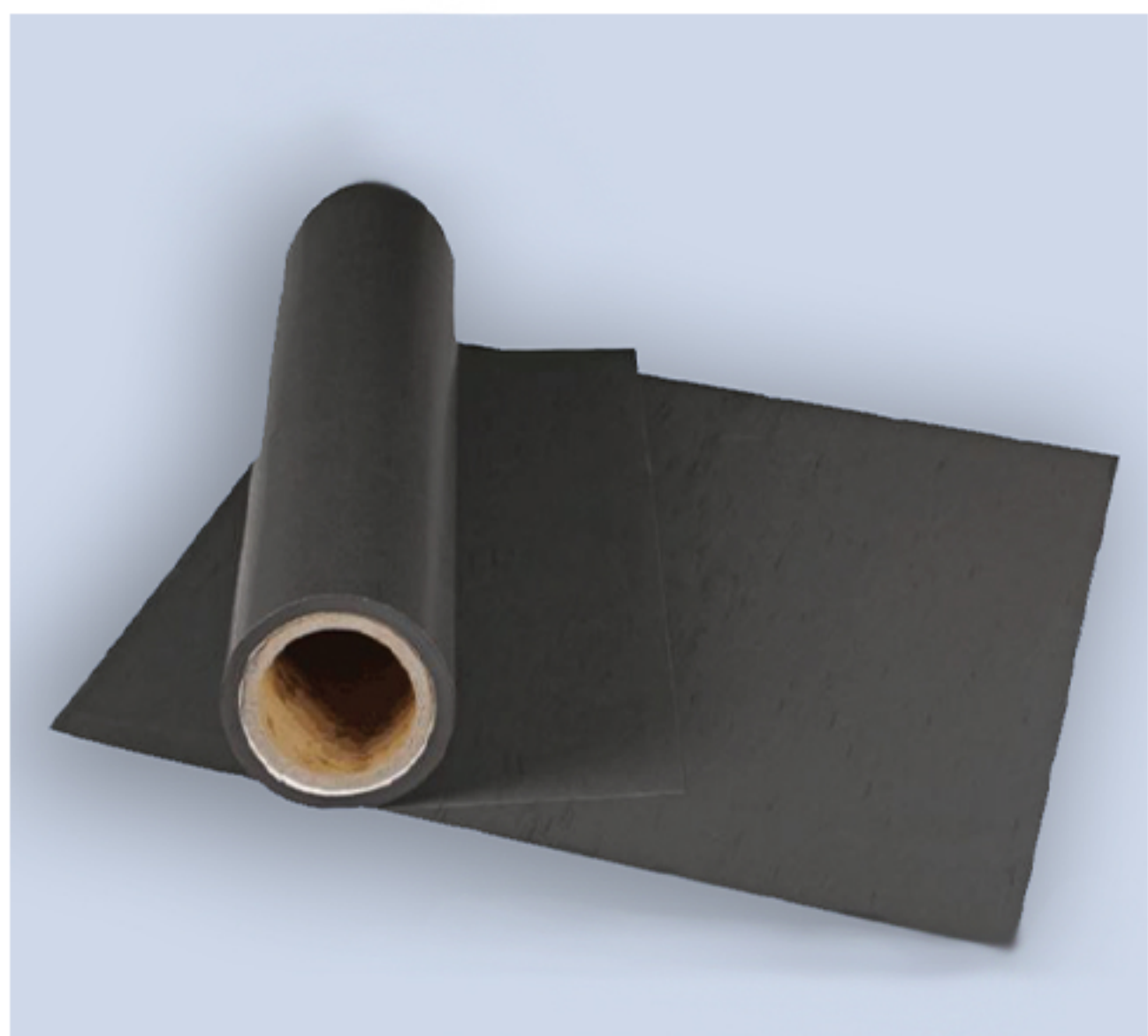
## Aluminum Backed, Butyl Rubber

Butyl rubber (also known as tacky mastic), can be used to seal most clean dry surfaces against moisture, dust, and air. This material may be laminated with foil, LDPE, polyester, or non-woven material and functions as a sound and vibration dampener.



## Fishpaper

Fish paper is a strong, flexible paperboard that has good mechanical properties. It offers excellent electrical insulating and arc quenching properties. It is a good choice for applications in which moisture is not a factor and where temperatures do not exceed 425°F.



## Filled EVA

Filled EVA's are a blend of ethylene-based copolymers and other constituents designed to achieve the necessary gravity and processability for performance in specific noise reduction applications. The material retains its shape after thermo forming.



## Extruded Polystyrene

During the manufacturing process, this material is extruded and allowed to expand under pressure until it forms a foam board. Extruded polystyrene is frequently used for localized thermal insulation and is only available in sheets or molded forms. This product is also known as Styrofoam.



## Shoddy

A non-woven product from recycled wool or cotton textiles, shoddy is available in standard or needled blankets and is often used in conjunction with bituminous or EVA products to make a complete sound barrier and absorption insulation.



## Fiberglass

Fiberglass is a common type of fiber-reinforced plastic using glass fiber. The fibers are randomly arranged, flattened into a sheet, or woven into a fabric. Fiberglass is one of the most commonly used insulators. It has excellent acoustic and thermal properties making it ideal for appliance applications.



## HPAM Polypropylene

HPAM media significantly improves sound absorption at lower frequencies through an enhanced fiber matrix and a tunable scrim on both sides. For environmentally conscious industries, HPAM is made with 100% recyclable polypropylene.



## Films

A wide variety of films are available for lamination to many different substrates. Anti-microbial, finger print resistant, chemically stable, thermal insulating, surface protection, decorative, UV stabilized, anti-static, FDA approved, pressure sensitive adhesive, and more.