Ultrafab
SPECIALTY PRODUCTS

OEM *Solutions*

INDUSTRIAL, TECHNOLOGY, ENERGY & TRANSPORTATION

COMMERCIAL/INDUSTRIAL BRUSH SEALS

Designed specifically for reduction of airborne contaminants, moisture and debris to protect internal operating equipment or to control a processing environment and to meet the demands of the most damaging high traffic applications.
- Adhesive backed products for press and stick applications
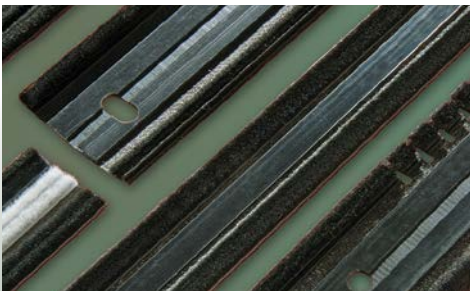- Stepped pile provides various heights on the same brush

Applications
- Dust seal/particulate separation
- Debris removal & filtration
- Vent barrier
- Sound abatement
- Water or air infiltration reduction

Material Available
- Polypropylene
- Nylon

SLIDING GLASS SEALS

Custom designed and built seals for passenger or storage enclosure areas. The inner glide strip allows for smooth movement of the window or panel at a lower coefficient of friction than a traditional flocked rubber.

Seal improves sliding window performance with superiority in three critical areas:
- Operation force/breakaway force
- Air infiltration/water penetration
- Construction

Additional features include, but are not limited to:
- 100% recyclable
- Adhesive-free fiber attachment maximizes seal life even under weight stress
- Seal integrity around corner radiuses

Applications
- Sliding glass window seals
- Seals for removable windows

Materials Available
- Polypropylene

CUSTOM BRUSHES

Brushes can be angled to improve the flow of material through or around them. Brushes with a filament configuration locks into a substrate such as screen mesh, creating a barrier to insects or other unwanted debris.

Additional features include:
- Camber notching for increased lateral flexibility on complex curves
- Roller brush configuration

Applications
- Light and dust barriers
- Paper pass
- Cleaning brushes

Material Available
- Polypropylene   • Nylon

STATIC ELIMINATION BRUSHES

Static charge build-up in electronic devices can cause product failures and extensive damage. Ultrafab provides both contact and non-contact ESD brushes to meet a wide range of applications. Additional features include, but not limited to:
- Conductive or non-conductive adhesives can be applied to one or both sides
- Integrated conductive wire for increased grounding performance
- Assembled with aluminum or plastic bracketing for additional mounting
- Woven backed technology with mounting holes can be used to eliminate addition bracketing requirements

Applications
- Paper processing
- High-speed printing
- Automation lines

Materials Available
- Acrylic   • Stainless steel
- Carbon

RUBBER & FOAM GASKETS

Rubber and foam materials are available in various densities and thicknesses, and can

be die cut to any custom profile. Additional features include, but not limited to:

- High temperature compounds available
- Solid and sponge rubber, closed and open-cell structures
- Rubber or acrylic based adhesives
- Custom laminating of multiple compounds

Applications
- Compression seals for cabinet enclosures
- Acoustic/anti-vibration pads for panels
- Heat shielding to control thermal displacement

Materials Available
- Polyurethane
- EPDM
- SBR
- Polyethylene
- Neoprene
- Silicone

EXTRUDED COMPONENTS

Custom extruded components can be manufactured in multiple shapes and sizes to fit any application. Additional features include, but not limited to:

- Low friction polyethylene fabric wrap
- Integrated magnetic strip for added sealing performance
- Multiple kerf mounting configurations
- Design specific profiles utilizing multi durometer technology
- Available in standard t-slot, kerf mount and leaf seal configurations
- Slip coat additive provide reduced friction
- Integrated with brush technology to provide added value

Applications
- Compression seals for cabinet enclosures
- Low friction gap seals
- Edge trim seals

Materials Available
- Polyethylene film
- Flexible & rigid PVC
- TPE

MOUNTED SEALS

Custom mounted configurations are used to increase through-put, reduce costs and minimize the need for additional parts. Our design team works to integrate our components; which enable our customers to focus on theirs.

HYBRID SEALS

Ultrafab has the unique ability to combine pile/textile and extruded seal solutions on one common base or platform.

- One component has two functions – compression seal on one side, sliding seal on the other
- One part to install – easy to assemble
- Reduce costs – labor and raw material
- Improve component integration
- Components could also be two different pile seals – offering different compression or closing forces
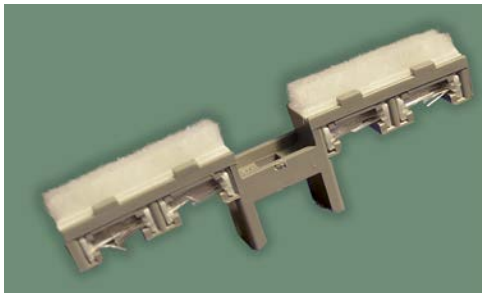
Applications
- **Light seals:** Frame to rough opening, lens to frame
- Sliding panels slide on pile seal – seal against bulb in closed position
- Environmental seal: Multiple barriers from air, wind, rain, dust, vibration, contamination from foreign debris

Materials:
- Extruded: Polypropylene, thermoplastic elastomers, engineered resins
- Pile/Textile: Polypropylene, Nylon, PP/Nylon Blend, conductive fibers

SUB-ASSEMBLIES

Ultrafab will manufacture complete Sub-Assemblies

- Installation of our components into small or large assemblies
- Assistance with acquiring needed injection molded or extruded base components
- Small or large volumes can be accommodated
- Prototyping services also available
- Class 100,000 Clean Assembly room on site
- On-site automation capability reduces costs to you
- Experienced technicians that pay close attention to details

Innovative Solutions

For more than 40 years Ultrafab has been providing innovative, cost effective, and timely solutions to a wide range of OEM applications. From the materials used to the equipment that manufactures the products, being vertically integrated allows us to partner with our customers at every step from idea, to design, to development and production. Our success is attributed to our dedication to working directly with engineers, creators, and designers to develop new and different approaches to solving the most difficult challenges associated with our clients' products or processes. Ultrafab currently services hundreds of customers in over 90 countries in a vast array of market sectors.

Product Design

Quality Systems

Materials Research

Partnering at
Every Stage
of Development

Product Testing

Materials Testing

Rapid Prototyping

Materials
- Nylon Fibers
- Polypropylene Fibers and Monofilaments
- Thermoplastics Elastomers (TPE)
- Thermoset Plastics
- Flexible and Rigid PVC
- Multi-Durometer Shore A Rubbers

Processes
- Woven Brush Assembly
- Single Durometer Extrusion
- Multi-Durometer Extrusions
- Co-Extruded Materials
- Assembly

- Punching
- Notching
- Winding
- Taping
- Custom Packaging

Ultrafab Specialty Products
1050 Hook Road • Farmington, NY 14425 • 800-535-1050 • **ultrafabsp.com**