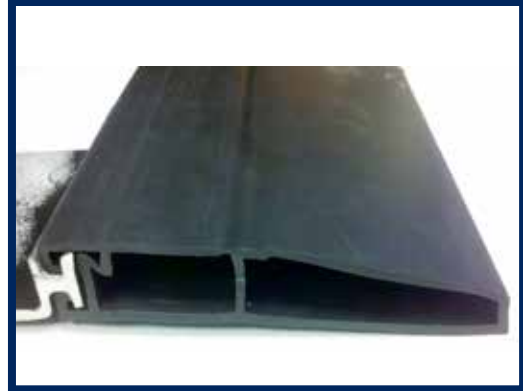
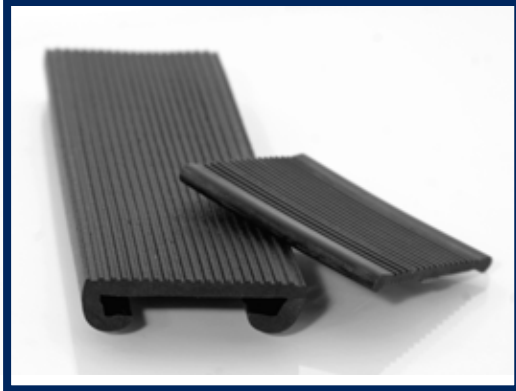


Custom Extrusions



Extrusion is the process of forcing material through a die or series of dies to make a specific shape. Custom rubber and plastic extrusion requires the polymer to be heated and pushed through tooling custom designed to a specific profile, generally continuous in length.

We specialize in extruded sealing solutions customized to specific performance needs with expertise in compound selection or customization, tooling design, end product design and cure methodologies. With the ability to extrude up to four different materials in one profile and decades of experience in matching performance demands to raw material selection, we excel at the most complex applications.

Common Applications

Aerodynamic applications for efficient air flow management: under hood baffle assemblies, behind cab flex extenders, under trailer aero skirts

Bulb seals

Bumpers & pedal pads

Cord & tubing

Corner molding & corner tracks

Decorative trim

Edge protectors & floor transitions

Environmental seals

EPDM extrusion

Extruded gaskets

Hood, trunk & storage compartment seals

Profile extrusion

O-rings

Rubber edge trim

RV seals

Slide-out room seals, bottom pans, splash guards

Standard & custom profile designs

Tank straps

Trim seals

Weather stripping

Custom Extrusions

Common Materials

Rubber

Acrylonitrile butadiene, nitrile, Buna N (NBR)
Chloroprene, neoprene (CR)
Chlorosulfonated polyethylene, Hyalon (CSM)
Epichlorohydrin (ECO)
Ethylene-propylene-diene-monomer (EPDM)
Fluoroelastomer
Natural rubber / polyisoprene (NR)
Silicone (Si)
Styrene butadiene rubber (Buna S / SBR / GR-S)
Synthetic polyisoprene (IR)

Plastic

Acetal, acrylic, acrylonitrile butadiene styrene (ABS)
Ethylene vinyl acetate (EVA)
Polycarbonate (PC)
Polyethylene (HDPE, LDPE), polystyrene (HIPS, PS)
Polyurethane (PU), polypropylene (PP)
Teflon & glass-filled materials
Thermoplastics (TPE, TPO, TPU, TPV, TPR)

Special Characteristics & Solutions

Continuous or cut-to-length with secondary die cutting or other finishing options

Corner molding & bonding for frame seals

Custom assemblies & kitting

Custom-designed profiles, cradle-to-grave in 8 weeks

Flocked glass-run seals

Heat activated adhesives for the strongest adhesion & harshest applications

Metal & wire carrier capable for ultimate strength & long term, reliable performance in clip-on applications

Pressure sensitive adhesives (PSA) for efficient peel-and-stick assembly & secondary weather sealing

Single durometer, dual durometer, tri & quad extrusions featuring multiple materials in one extrusion process

Splicing, vulcanized splicing, reinforced & non-reinforced

Urethane slip & plasma coating for non-stick seals

Boyd Corporation has over 90 years of customer-focused performance success and is a global leader in advanced sealing, thermal management and protection solutions. Empowering human curiosity through the safe exploration of space. Enhancing the safety and flexibility of medical care and transportation. Enabling faster, brighter, more functional technology with greater power density. From self-driving cars to brain surgery, space stations to smart farming, high powered computing devices to wearable medical technologies. As our customers redefine their markets and technology - unique solutions from Boyd empower them to be possible.

- Dedicated Engineering Design Centers on 3 Continents •
- Replicated Manufacturing Technology Across 10 Countries •
 - Cleanroom Manufacturing Class 100 to 100,000 •
 - Rapid Prototyping •

ISO9001 • ISO13485 • AS9100 • IATF16949 • ISO14001 • ITAR • FDA • FAA

One Company, Many Solutions

www.boydcorp.com