



CUSTOM RUBBER EXTRUSION & SEALING SOLUTIONS

Engineered to Seal. Built to Perform.

Precision rubber profiles, seals, gaskets and fenders for marine, automotive, architectural, HVAC and packaging applications.

**30+**

Years of expertise

55

Standard profiles

6

Elastomer families

5

Industries served

30+ YEARS OF EXPERTISE

Three decades of precision rubber extrusion.

For over three decades, our manufacturing expertise has helped customers solve complex sealing, protection and insulation challenges through precision rubber extrusion.

From a hand sketch, a CAD file or a physical sample, ELASTAK develops custom profiles and scales them from prototype to full production, with consistent dimensional accuracy in every batch.



Why ELASTAK

Six reasons engineers specify us

01 Precision Manufacturing

Consistent dimensional accuracy across every production batch.

02 Custom Profile Development

New profiles from drawings, CAD files, specs or samples.

03 Rapid Development

Shorter lead times from prototype to production.

04 Material Expertise

EPDM, Silicone, Neoprene, Nitrile, SBR and Natural Rubber.

05 Quality Focus

Controlled processes and in-house profile inspection.

06 Global Supply

Reliable delivery to customers across regions.

ELASTOMER SELECTION GUIDE

The right compound for every environment.

EPDM is our core compound, used for around 95% of our profiles including our marine fenders. Every profile is compounded in-house, so other elastomers are available when the application calls for them.

MATERIAL	TEMP. RANGE	KEY STRENGTHS	TYPICAL APPLICATIONS
EPDM Ethylene Propylene CORE COMPOUND · 95%	−40 to +120 °C	Excellent weather, ozone, UV, saltwater and impact resistance; long outdoor life	Marine fenders, dock bumpers, marine seals, glazing & curtain-wall seals, HVAC gaskets
Silicone VMQ	−60 to +200 °C	Widest temperature range; food-grade options available	Packaging machinery, ovens, lighting, cleanrooms
Neoprene CR	−30 to +100 °C	Balanced oil & weather resistance; flame retardant	Marine seals, HVAC, edge guards
Nitrile NBR	−30 to +100 °C	Superior resistance to oils, fuels and greases	Under-hood seals, machinery, rubber packing
SBR Styrene Butadiene	−40 to +90 °C	Good abrasion resistance; cost-effective	General sealing, impact & wear strips
Natural Rubber NR	−50 to +80 °C	High resilience, tear strength and rebound	Anti-vibration mounts, cushioning, impact pads

Typical values for standard compounds. Hardness, colour and special grades (flame-retardant, food-contact, sponge) available on request.

From sample to supply

Custom profile development

STEP 01

Share

Send a drawing, CAD file, spec sheet or physical sample.

STEP 02

Engineer

We select the compound and design the extrusion die.

STEP 03

Prototype

Sample lengths are produced for fit and function approval.

STEP 04

Produce

Batch production with profile-projector inspection.

04

MARINE INDUSTRY

Marine Fender & Seals

Profiles engineered for saltwater exposure, UV radiation, constant moisture and extreme temperatures. They protect vessels, docks and equipment.

MATERIALS

EPDM

Neoprene

Natural Rubber

✓ Saltwater resistant

✓ UV & ozone stable

✓ High impact absorption

Product Families

4 product families · 34 profiles



Marine Seals

14 profiles · hatch, door, window, D/P/ E-seals, channels, locking gaskets

[See page 05 →](#)



Fender & Impact Protection

13 profiles · dock bumpers, D, cylindrical, W, DO, wing type fenders

[See page 06 →](#)



Rubber Packing

3 profiles · rectangular & square sponge, solid rubber packing

[See page 07 →](#)



Speciality Extrusions

4 profiles · hollow, solid strip, UV-resistant, oil-resistant

[See page 07 →](#)

MARINE INDUSTRY · SEALS

Marine Seals

Hatch, door, window and weather seals extruded to withstand saltwater, UV, moisture and constant vibration on board.



S.01
Hatch Seals
Watertight sealing for marine hatches against water ingress and dust.



S.02
Door Seals
Weatherproof vessel door seals that insulate and reduce noise.



S.03
Window & Portlight Gaskets
Moisture, UV and saltwater resistant, leak-free glazing seals.



S.04
Cabin Door Weatherstrips
Cut air leakage and noise; keep water and dust out.



S.05
Bulb Seals
High compression and flexibility for weather-tight closures.



S.06
Sponge Rubber Seals
Premium sponge compounds for cushioning and sealing.



S.07
D-Seal
Absorbs impact; seals out moisture, vibration and dirt.



S.08
P-Seal
Enhanced compression and weather resistance.



S.09
E-Seal
Flexible, durable seal for doors, windows and enclosures.



S.10
U-Channel Seals
Edge protection and a secure seal for glass, panels and metal.



S.11
T-Slot Seals
Fits designated channels for a secure, easy installation.



S.12
Glass Setting Channels
Protective interface that aligns glass panels in frames.



S.13
Locking Gaskets
Retain glass, acrylic and panels with weather resistance.



S.14
Windshield Seals
Protect windshields and viewing panels from water, wind and vibration.

CUSTOM

Need a different profile?

Send us a drawing or sample and we'll extrude it.

MARINE INDUSTRY · FENDERS

Fender & Impact Protection

Extruded fenders and bumpers that absorb berthing energy and protect vessels, docks and port infrastructure.



F.01
Dock Bumper
Absorbs impact to protect docks, berths and marine structures.



F.02
Fender Profiles
Impact-resistant profiles for vessels, docks and ports.



F.03
Heavy-Duty D Fenders
Withstand repeated impacts on commercial docks, tugs and workboats.



F.04
Cylindrical Fenders
High energy absorption for berthing and dock protection.



F.05
W-Profile Fenders
Flexible and impact-resistant for tugboats and workboats.



F.06
Square Bumper Extrusions
Edge protection and impact absorption for equipment and docks.



F.07
Square Type Fender
Square bore design with resilient protection for heavy-duty installations.



F.08
DO Type Fender
Outstanding energy absorption for docks, vessels and ports.



F.09
Square O Type Fender
Round bore for added flexibility and durability.



F.10
Wing Type Fender
Maximum protection and efficient energy absorption when berthing.



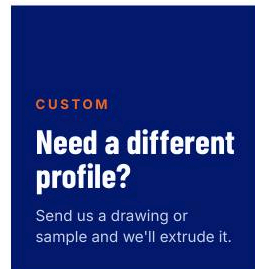
F.11
Key Hole Type Fender
Keyhole bore with fixing holes for flush bolting to quays and pontoons.



F.12
D Type Square Fender
Square outer face with a D bore: a stable, flat-backed fender.



F.13
DD Type Fender
Curved D face with a D bore for berths, tugs and workboats.



MARINE INDUSTRY · PACKING

Rubber Packing & Speciality Extrusions

Solid and sponge rubber packing in EPDM, Silicone and other compounds, plus speciality profiles for demanding marine and industrial duty.

Rubber Packing

Solid & sponge · EPDM, Silicone and more



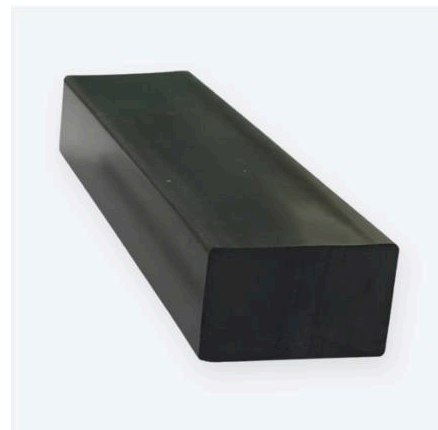
P.01
Rectangular Type Sponge Packing

Excellent compression and sealing, ideal for cushioning and gap filling.



P.02
Square Type Sponge Packing

Flexible, durable environmental sealing for doors, hatches and enclosures.

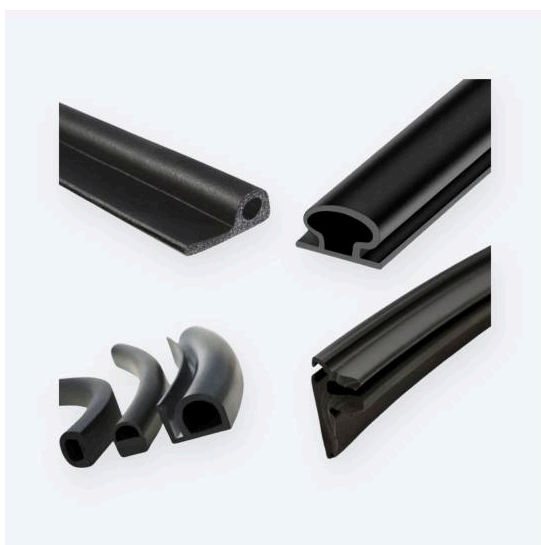


P.03
Solid Rubber Packing

Extruded solid packing with high durability and compression resistance for continuous production.

Speciality Extrusions

Engineered for specific environments



X.01 **Hollow Rubber Profiles**

Lightweight and flexible for superior sealing and insulation.

X.02 **Solid Rubber Strips**

Exceptional durability, abrasion resistance and impact protection.

X.03 **UV-Resistant Weather Seals**

Long-term protection against sunlight, ozone, moisture and extreme weather.

X.04 **Oil-Resistant Sealing Profiles**

Reliable service life where profiles meet oils, fuels and lubricants.

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AUTOMOTIVE INDUSTRY

Automotive Rubber Solutions

Weather-tight, vibration-damping rubber components for vehicles, trailers and containers, extruded to tight, repeatable tolerances.

MATERIALS

EPDM

Nitrile (NBR)

Silicone

✓ Weather-tight

✓ Vibration damping

✓ Oil & heat resistant

Applications

5 applications

Door & window seals

Weather stripping

Edge trim profiles

Anti-vibration components

Under-hood sealing

Featured Products

14 profiles → pages 09 & 10



D Type Container Seal

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J Type Container Seal

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Meeting Gasket

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Glazing Gasket

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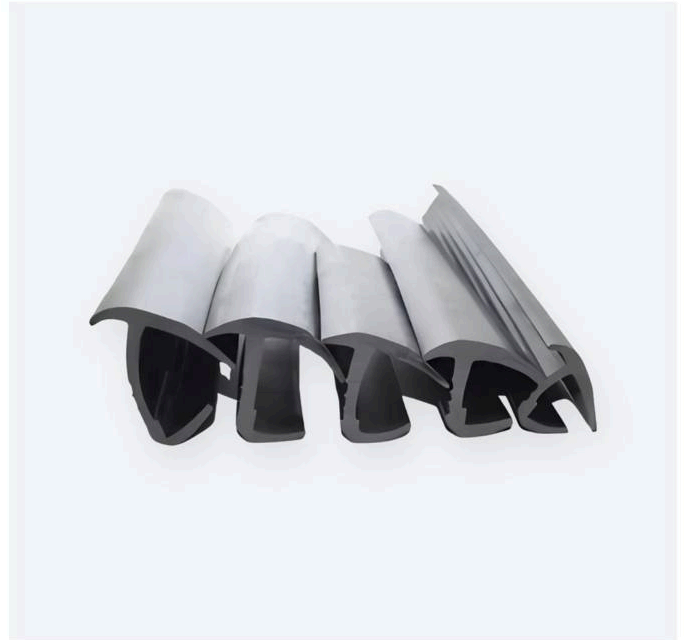
AUTOMOTIVE INDUSTRY · CONTAINER SEALS

Container Seals

Door seals for shipping containers, trailers and transport enclosures that keep out water, dust and air through repeated daily use.

**C.01****D Type Container Seal**

Excellent compression and weatherproof sealing for container doors and transport enclosures. Prevents water ingress, dust penetration and air leakage.

**C.02****J Type Container Seal**

Reliable sealing for container and vehicle doors. Flexible and easy to install, built for harsh conditions and repeated operation.

**C.03****Y Type Container Seal**

Unique profile that enhances compression, with excellent resistance to wear, UV exposure and weathering.

CUSTOM CONTAINER SEALS

Need a different container profile?

Send us a drawing or sample of your container door seal and we'll develop the profile in EPDM.

inquiry@akhpolymers.com

AUTOMOTIVE · ARCHITECTURAL

Door & Window Seals

Glazing and frame gaskets for vehicles, buses, curtain walls and aluminium window systems that seal out weather, dust and noise.



W.01

Meeting Gasket

Seals adjoining doors and windows; weather and noise protection.



W.02

Bulb Gasket

Compression and flexibility for doors, windows and enclosures.



W.03

Concealed Frame Rubber

Seamless look with sealing and edge protection for glazing.



W.04

Glazing Gasket

Holds glass securely while sealing out moisture and dust.



W.05

Curtain Wall Profile

Weather-resistant profiles for advanced glazing and framing systems.



W.06

Pressure Plate

Supports and retains glazing assemblies for consistent sealing.



W.07

U Rubber

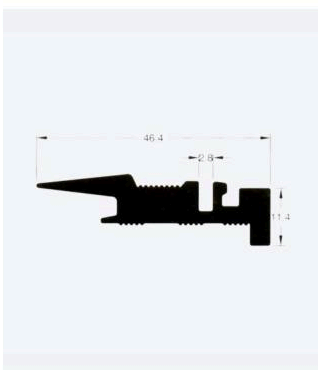
Edge protection and sealing for doors, panels and glass.



W.08

T Rubber

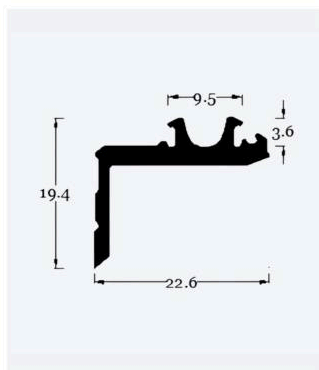
Secure profile retention with effective sealing.



W.09

Interlock Gasket

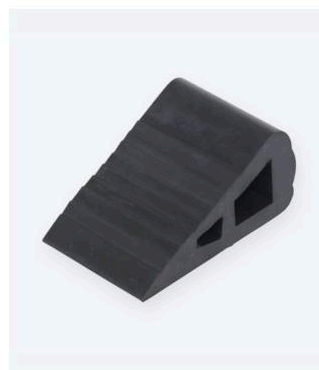
Dependable seal between adjoining components.



W.10

Inner Gasket

Extra sealing and insulation; cuts air leakage, vibration and noise.



W.11

Filler Wedge

Tight fit in glazing systems; improves glass retention.

CUSTOM

Need a different profile?

Send us a drawing or sample and we'll extrude it.

ARCHITECTURAL & CONSTRUCTION

Architectural Rubber Seals

Long-life seals for façades, windows and doors that prevent water ingress, air leakage, dust penetration and noise transmission.

MATERIALS

EPDM

Silicone

Neoprene

✓ Watertight & airtight

✓ Acoustic insulation

✓ Long-term UV durability

Applications

5 applications

Aluminium glazing systems

Curtain wall seals

Window & door gaskets

Expansion joint profiles

Glass installation channels

Featured Products

11 profiles → page 10



Curtain Wall Profile

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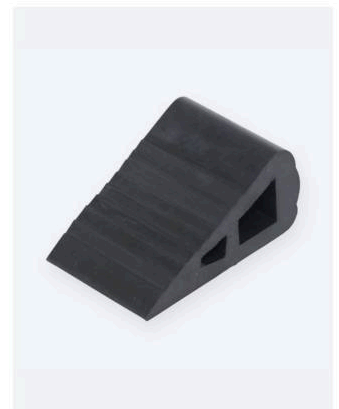
Pressure Plate

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Concealed Frame Rubber

Page 10



Filler Wedge

Page 10

12

HVAC & REFRIGERATION

HVAC & Refrigeration Seals

Airtight and watertight sealing that minimises air leakage, improves thermal efficiency and protects units from dust and moisture.

MATERIALS

EPDM

Neoprene

Silicone

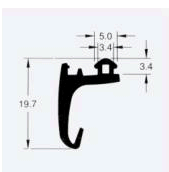
✓ Energy efficient

✓ Airtight compression

✓ Dust & moisture proof

Product Range

4 products · custom profiles on request



H.01 Access Door Gasket

Airtight, watertight seals for HVAC access panels and refrigeration units.



H.02 Damper Blade Seal

Seals for dampers and louvres with excellent compression and durability.



H.03 Weather Stripping

Protects against air infiltration, moisture and dust.



H.04 Edge Guards

Protective trim for metal panels, doors and equipment enclosures.

Need a non-standard gasket or damper seal?

Send us your drawing, CAD file or a physical sample and we'll develop the profile and compound for your unit.

inquiry@akhpolyomers.com

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PACKAGING MACHINERY

Packaging Machinery Sponge Seals

Sponge profiles engineered for superior compression, cushioning and sealing on continuously running packaging lines.

SPONGE GRADES

Silicone

EPDM

Neoprene

✓ High compression recovery

✓ Low compression set

✓ Built for continuous operation

Product Range

3 products · custom profiles on request



M.01 REC Type Sponge Packing

Rectangular sponge packing for gap filling, vibration reduction, dust protection and enclosures.

Gap filling

Vibration

Enclosures



M.02 SQ Type Sponge Packing

Square-section sponge with exceptional flexibility and resilience for sealing, cushioning and wear reduction.

Sealing

Cushioning

Wear reduction



M.03 Sponge O-Ring Cord

Round sponge cord for custom gaskets and continuous seals against air, dust and moisture.

Custom gaskets

Continuous seals

IN-HOUSE MANUFACTURING

Compounded, extruded, cured and inspected under one roof.

3

Extrusion lines

2

Autoclaves up to 10 m

5

Compounding units

6

Elastomer families



 EXTRUSION

150 mm hot feed extruder

90 mm hot feed extruder

120 mm cold feed CV line

 CURING

10 m autoclave

6 m autoclave

 COMPOUNDING

110 L kneader

55 L kneader

22 kW mixing mill

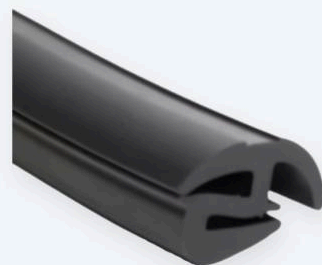
65 kW mixing mill

110 kW mixing mill

 QUALITY CONTROL

Wire cut machine

Profile projector



START YOUR PROJECT

Send us a drawing, CAD file or sample. We'll engineer the seal.

Tell us the application, operating conditions and quantities. Our team will recommend the compound and develop your profile from prototype to production.

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ELASTAK

EXTRUSION SOLUTIONS

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