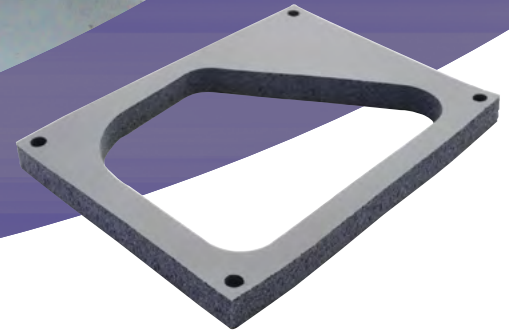


A GASKET'S NOT JUST A GASKET



BISCO® Silicone tapes and gaskets from Mason Grogan Industrial provide outstanding protection for critical components and interior panels and provide long term performance to reduce typical through life support costs that arise from premature replacement of low performing seals.

Mason Grogan Industrial provides a wide range of BISCO® silicone tapes and custom gaskets for:

- Sealing (protection of components or controls equipment from water or dust penetration)
- Gasketing
- Vibration and Noise dampening and isolation (for quieter environments or protection of structures)
- Gap filling (between interior panels)

Our direct computer to gasket production process ensures tight conformance to engineering drawings, smooth, straight edges, intricate details and efficient use of material for optimum pricing.

PROTOTYPING SERVICE

Our prototyping service allows engineers to field test small quantities and refine designs without the usual associated tooling costs and with minimum lead times.

AVAILABILITY

Wide portfolio of materials to meet a range of design solutions. Solids or foams, with or without pressure sensitive adhesives, extensive range of firmnesses and thicknesses.



BISCO® PERFORMANCE

Design of the enclosure and gasket undoubtedly play an important role in successful gaskets. Material choice is often overlooked, however this is critical to the performance of the seal in meeting the design intentions and longevity of the seal. Bisco® silicones are leading technology engineered silicone materials which exhibit:

- Resistance to temperature extremes
- Resistance to UV and ozone degradation
- Excellent water sealing properties
- Less than 5% compression set over a wide range of temperatures
- Minimal stress relaxation/mechanical fatigue over time
- Conformance to high global Flame Smoke and Toxicity standards: BS6853, Cat 1a; NFF 16-101, M1F1.

INVOLVE US IN YOUR GASKET DESIGN PROCESS

We have the technical expertise and experience in gasket design and material selection to help you achieve your design objectives. We can help you determine optimal grade, thickness, width and the appropriate compression that will work within your design constraints without compromising the sealing, gap filling or vibration management.



EXTRUSIONS

Mason Grogan Industrial offer customised extrusions to suit many applications from window to door seals to specific applications within the rail vehicle. These extrusions conform to highest global Flame, Smoke and Toxicity standards.

- BS6853 Cat 1a
- CEN/TS 45545-2 HL3

Mason Grogan Industrial can also offer **RAILSIL**, a **JET BLACK** silicone extrusions conforming to **BS6853 Cat 1a**.

Silicone extrusions offer many advantages over EPDM solutions:

- Silicone provides longer service life than EPDM's
- Improved long term resistance to environmental extremes
- Silicones will remain unchanged at wider temperature bands
- Silicones are unaffected by ultraviolet light or ozone
- Lower flammability and do not produce toxic combustion by-products.

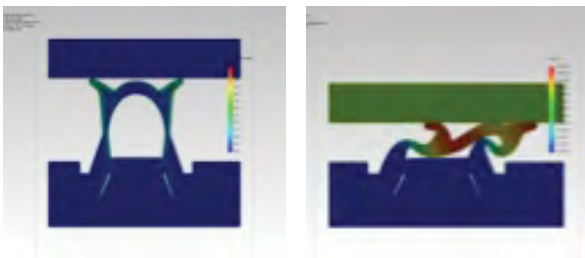
Performance & reliability based on the latest design tools

Designing of extrusions can be a complex process; with advancements in computer simulation finite element analysis (FEA) has been increasingly adopted and integrated into the design process. FEA for rubber products is far more complex than for metal and plastic products. It requires sophisticated nonlinear FEA software as well as a good understanding of the material behavior, material modeling, and testing requirements.

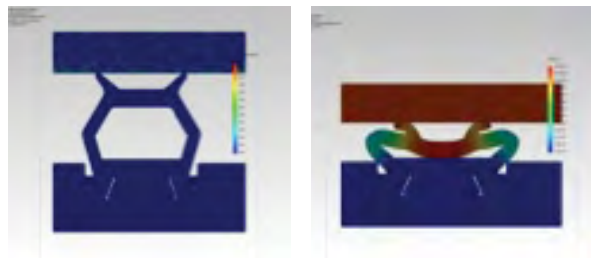


CUSTOM PROFILES & FORMULATIONS

ORIGINAL DESIGN



FEA DESIGN



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INDUSTRIAL

SPECIALIST MATERIALS FOR DESIGN ENGINEERS