



QUALITYLAV

TECHNICAL ITEMS IN RUBBER AND SILICONE



QUALITYLAV S.r.l.s.

Qualitylav produces, transforms and markets, on his own and on behalf of third parties, moulded and extruded profiles in rubber, silicone and plastic materials through manual processes and automatic systems, also based on drawings supplied by the Customer.

The production takes place in the factory of Seveso (MB) and is particularly accurate, subjected to quality controls respecting the tolerances ISO 3302-1.



Experience, Quality, Flexibility

Our products are employed in the most different applications: in the chemical, electrical and food sectors (domestic, professional and oenological), in the pharmaceutical and medical sector, in the mechanical-steel and iron, aeronautics and aerospace, nuclear, automotive, construction sectors and in many others.

The careful selection of raw materials through collaboration with highly qualified suppliers, twenty years of experience, controls and continuous research, have brought our products to a very high level of reliability.

This allows us to establish ourselves more and more on the Italian market and especially on the foreign, European and extra-European market.

The flexibility of our company allows us to manage even small batches, in order to satisfy excellently all those customers who make of the small series their strong point.



RUBBER PROFILE

Compact and Expanded

SILICONE PROFILES

VMQ Compact and Expanded

PVC PROFILES AND THERMOPLASTICS

Compact and Expanded

SHEETS AND MATS

Rubber and Silicone

MEMBRANES

Rubber and Silicone

MOULDED ITEMS

Rubber and Silicone VMQ

BONDING

Extruded and Sheets

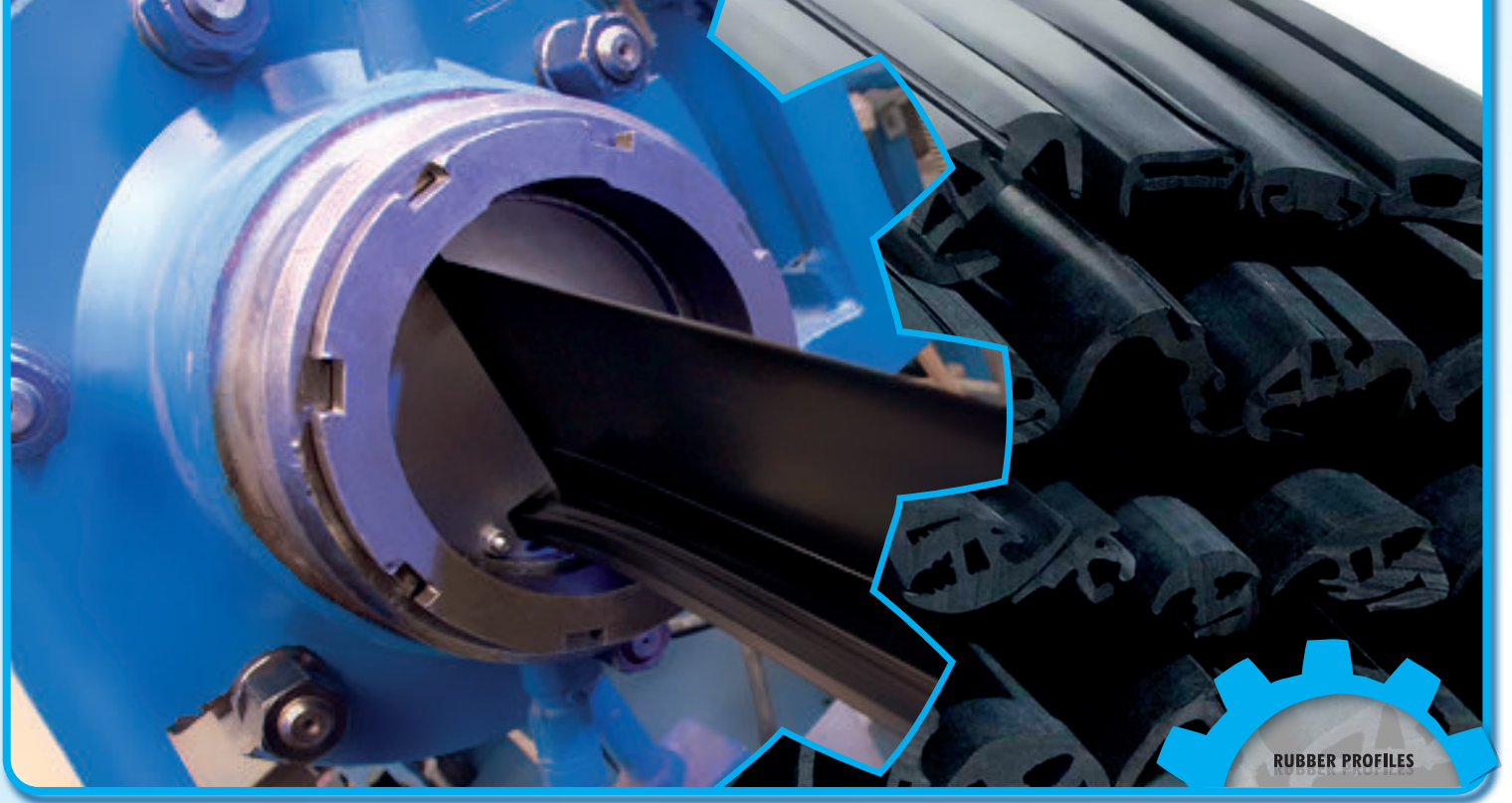
OVEN DOOR GASKETS

INFLATABLE AND PNEUMATIC SEALS



QUALITY

TECHNICAL ITEMS IN RUBBER AND SILICONE



COMPACT AND EXPANDED RUBBER PROFILES

Extruded profiles in natural and synthetic rubber in their compact and expanded versions, supplied in spools and skins of different lengths depending on the size of the profile. Cutting, die-cutting, mastic, mould and sheet joints, also angular. Parts obtained by cutting up to 0.5 mm (washers, sleeves, bushings and feet). Bonding on one or more sides of the profile with different types of double-sided tape.

COMPACT RUBBER

Available compounds:

Natural rubber (NR); Nitrile rubber (NBR); SBR; EPDM; EPDM Food; Neoprene (CR); Self-extinguishing Neoprene (CR_AE); Viton® (FKM).

Available hardness:

Low hardness: from 40 to 55 Shore A (± 5)
Standard: from 60 to 75 Shore A (± 5)
High hardness: from 80 to 95 Shore A (± 5)

Available colours:

Black
Natural (only NR)
White (only EPDM)
Sample colours (only EPDM)

Geometrical sections:

Pipes: external diameter from mm 1 to mm 250
Braided and reinforced pipes
Round: diameter from mm 1 to mm 100
Rectangular/Square
Trapezia

Drawing sections:

"U" sections
"P" sections
Lip sections
Glass fixing sections
Sections on customer specification

Co-extrusion:

Co-extruded profiles with different colours and hardness (only EPDM);
Co-extruded profiles with expanded rubber (only EPDM).

Special extruded:

Animated extruded and co-extruded (with animated insert), Flocked profiles.

EXPANDED RUBBER

Available compounds:

EPDM; EPDM Food; Viton® (FKM).

Available densities:

Low density: from 300 to 500 Kg/dm³ ($\pm 0,050$) (only EPDM)
Standard: from 600 to 700 Kg/dm³ ($\pm 0,050$) (only EPDM)
High density: 900 Kg/dm³ ($\pm 0,050$) (only Viton® - FKM)

Available colours:

Standard: Black
Possibility of colours at request (only EPDM)

Geometrical sections:

Pipes: external diameter from mm 8 to mm 100
Round: diameter from mm 2 to mm 100
Rectangular/Square
Trapezia

Drawing sections:

"U" sections
"P" sections
Lip sections
Sections on customer specification

Co-extrusion:

Co-extruded profiles with different colours and densities (only EPDM);
Co-extruded profiles with compact rubber (only EPDM).



COMPACT AND EXPANDED SILICONE PROFILES (VMQ)

Extruded profiles in silicone and fluorosilicone in their compact and expanded versions, supplied in spools and skeins of different lengths depending on the size of the profile. Cutting, die-cutting, mould and sheet joints, also angular. Parts obtained by cutting up to 0.5 mm (washers, sleeves, bushings and feet). Bonding on one or more sides of the profile with different types of double-sided tape.

COMPACT SILICONE

Available compounds:

Standard (ST); High Temperatures (HT); Self-extinguishing (AE); Low temperatures (LT); High tear resistance (AL); High vapor resistance (VP); Food use (UA); Medical use (ME); Fluorosilicone (FL).

Available hardness:

Low hardness: from 10 to 45 Shore A (± 5)
Standard: from 50 to 75 Shore A (± 5)
High hardness: from 80 to 100 Shore A (± 5)

Available colours:

Any RAL colouring
Fluorescent
Phosphorescent

Geometrical sections:

Pipes: external diameter from mm 1 to mm 250
Braided and reinforced pipes
Round: diameter from mm 1 to mm 100
Rectangular/Square
Trapezia

Drawing sections:

"U" sections
"P" sections
Lip sections
Glass fixing sections
Sections on Customer specification
Wide catalogue available

Co-extrusion:

Co-extruded profiles with different colours and hardness;
Co-extruded profiles with expanded silicone.

Special extruded:

Animated extruded and co-extruded (with metal insert).

EXPANDED SILICONE

Available compounds:

Standard (ST); High Temperatures (HT); Self-extinguishing (AE); Food use (UA); Medical use (ME);

Available density:

Low density: from 300 to 500 Kg/dm³ ($\pm 0,050$)
Standard: from 600 to 700 Kg/dm³ ($\pm 0,050$)
High density: 800 Kg/dm³ ($\pm 0,050$)

Available colours:

Standard: White cream
Phosphorescent
Possibility of colours at request

Geometrical sections:

Pipes: external diameter from mm 8 to mm 100
Round: diameter from mm 2 to mm 100
Rectangular/Square
Trapezia

Drawing sections:

"U" sections
"P" sections
Lip sections
Sections on Customer specification

Co-extrusion:

Co-extruded profiles with different colours and density;
Co-extruded profiles with compact silicone.



PVC PROFILES AND COMPACT AND EXPANDED THERMOPLASTICS

Extruded profiles in PVC in their compact and expanded versions, supplied in spools and skeins of different lengths depending on the size of the profile.

Cutting, die-cutting, jointing and heat welding, also angular.

Parts obtained by cutting up to 0.5 mm (washers, sleeves, bushings and feet).

Bonding on one or more sides of the profile with different types of double-sided tape.

COMPACT RUBBER

Available compounds:

PVC, ABS, Nylon,
Low and high density polyurethane,
thermoplastic rubbers and other resins

Available hardness:

Low hardness: from 20 to 55 Shore A (± 5)
Standard: from 60 to 75 Shore A (± 5)
High hardness: from 80 to 95 Shore A (± 5)
Rigid profiles

Available colours:

Any RAL colouring
Fluorescent
Phosphorescent

Geometrical sections:

Pipes: external diameter from mm 1 to mm 250
Braided and reinforced pipes
Round: diameter from mm 1 to mm 100
Rectangular/Square
Trapezia

Drawing sections:

"U" sections
"P" sections
Lip sections
Glass fixing sections
Sections on Customer specification

Co-extrusion:

Co-extruded profiles with different colours and hardness (only PVC)
Co-extruded profiles with expanded rubber (only PVC)

EXPANDED RUBBER

Available compounds:

PVC, Polyurethane

Available density:

Low density: from 300 to 500 Kg/dm³ ($\pm 0,050$)
Standard: from 600 to 700 Kg/dm³ ($\pm 0,050$)

Available colours:

Any RAL colouring
Fluorescent
Phosphorescent

Geometrical sections:

Pipes: external diameter from mm 8 to mm 100
Round: diameter from mm 2 to mm 100
Rectangular/Square
Trapezia

Drawing sections:

"U" sections
"P" sections
Lip sections
Sections on Customer specification

Co-extrusion:

Co-extruded profiles with compact rubber (only PVC)



RUBBER AND SILICONE VMQ SHEETS AND MATS

We produce and market rubber and silicone sheets and mats, to be sold on rolls or die-cut on drawing. Bonding of the sheets with different types of double-sided tape.

COMPACT SILICONE SHEETS

Silicone compounds:

Standard (ST); High Temperatures (HT); Self-extinguishing (AE); Low temperatures (LT); High tear resistance (AL); High vapor resistance (VP); Food use (UA); Medical use (ME); Fluorosilicone (FL).

Hardness:

Low hardness: from 30 to 45 Shore A (± 5)
Standard: from 50 to 75 Shore A (± 5)
High hardness: from 80 to 90 Shore A (± 5)

Colours:

Any RAL colouring;
Fluorescent; Phosphorescent;
In stock: Translucent transparent, Red.

Standard format :

mm 500 x 500 and 600 x 600 (printed)
mm H 1.200/1.400 x L 10.000 (calendered)
Thickness mm 1, 1,5, 2, 3, 4, 5, 6, 8, 10+

RUBBER MATS

Mats 1000 stripes and 100 stripes (also self-extinguishing);
Rice grain mat, diamond plate mat, rubber bubble mat (also self-extinguishing), Torpedone.

EXPANDED SILICONE SHEETS

Extruded sheets:

Silicon rubber density 0,450 Kg/dm³ - T -20°C ÷ + 180 ° C
White cream colour
Size 10,00 Mq - mm H 1.000 x L 10.000
Variable thickness between mm 2,00 and mm 20,00

Printed sheets canvas imprint:

Variable density silicone rubber from 0,400 to 0,800 Kg/dm³
White cream, red, black and grey colours
Different sizes between mm 2,00 and mm 30,00

COMPACT RUBBER SHEETS

SBR, SBR with canvas insertion, SBR with double canvas insertion, white SBR;
Natural rubber, natural rubber high tear resistance;
Natural rubber + SBR;
NBR, NBR Petrol resistant, NBR Food;
Hypalon®;
Neoprene® (CR);
EPDM; EPDM high tear resistance;
FKM (fluoroelastomers);
Non-abrasive rubber;
Special compounds for electrical insulation.

RUBBER AND SILICONE MEMBRANES

APPLICATION SECTOR ► Systems for the stratification of glass, lamination of modules for photovoltaic panels, colour sublimation systems on window frames and aluminium parts, veneering and ennobling of wooden panels, flat lamination under pressure of sails and nautical fabrics. Water, air (vacuum) and oil presses.

AVAILABLE COMPOUNDS ► Silicone rubber, natural rubber.

DESCRIPTION ► In the silicone version, the membranes offer a high resistance to the temperature (over 250°C with peaks of 300°C), to the lengthening (over 700%) and to the perforation. Light blue in colour, they are produced in standard widths of 1.700 and 2.000 mm, with one smooth side and one with a "canvas impression", supplied in rolls of variable length. Available in standard thicknesses of 1,5, 2,0 and 3,0 mm. By means of a particular longitudinal jointing process it is possible to obtain membranes with greater widths. In the natural rubber version, the membranes are used where the operating temperatures of the presses rarely exceed 120°C. Brick red in colour, they are produced in standard widths of 1.550 mm and 2.000 mm with one smooth side and one with a "thin canvas impression" and supplied in rolls of variable length. They are available in thicknesses of 2,3, 3,8 and 5 mm and offer a high resistance to perforation and tear.



MOULDED RUBBER AND SILICONE VMQ ITEMS

We produce and market rubber and silicone products of any shape and size through injection and compression moulding processes. The accomplishment of the moulds necessary to the production takes place thanks to a ten-year collaboration with a highly qualified mechanical workshop.

► DETAILS TO DESIGN RUBBER MOULDED

Gaskets, bellows, bushings and frames;
Rubber-metal moulded parts;
Details with textile or plastic insertions.

► ANTI-VIBRATION SUPPORTS

Available in versions with standard and customized connections.

► O-RINGS

Calibrated gaskets and ropes available in the compounds: NBR, EPDM, Silicone, Viton®, Teflon®, Neoprene and H-NBR. Numerous items available in stock.



BONDING OF EXTRUDED AND SHEETS

Bonding of profiles and sheets of rubber, silicone and thermoplastics, both compact and expanded, of any hardness and density. We use specific machinery and quality adhesives, also for uses involving high temperatures.

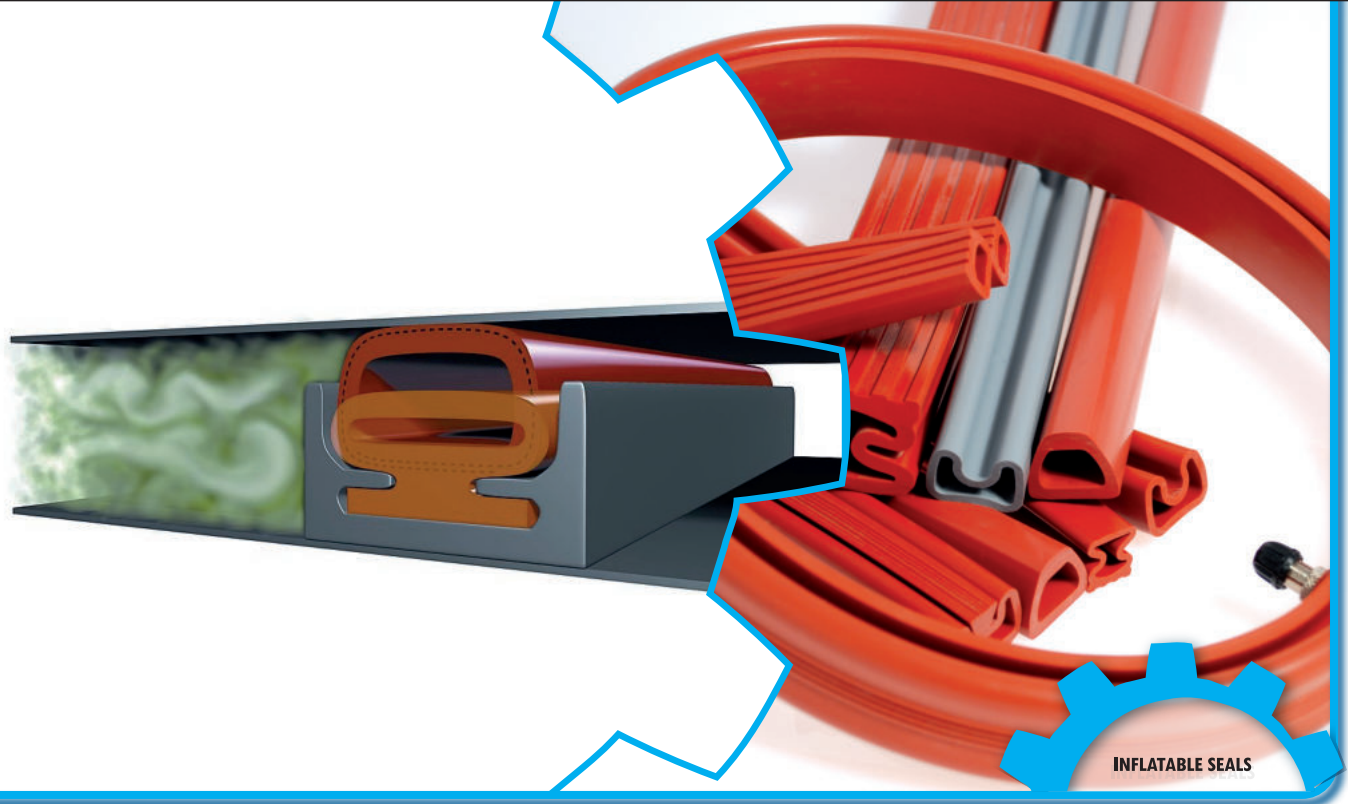
Highly qualified suppliers, including Nitto, Avery Dennison and 3M, make all their experience available to advise us and provide the most suitable adhesive to the Customer's needs.

The connection and sealing of the adhesive are also guaranteed on silicone extruded, and this is the result of an innovative method of preparation and treatment of the profile, that we are proud of having perfected internally.

OVEN DOOR GASKETS

Specific gasket for domestic and professional cooking ovens, also with pyrolytic technology, blast chillers, proofers, spaces and compartments in a controlled atmosphere. Interlocking profiles or gaskets finished with metal coupler.

Production and trade of original and compatible spare parts of the best brands on the Italian and foreign market (Miele, Electrolux, Indesit, etc..). Possibility to produce small and very small lots.



INFLATABLE AND PNEUMATIC SEALS

The inflatable seals are a simple solution to ensure an hermetic seal in the presence of mobile elements and/or variable plays. They compensate for construction irregularities and deformations undergone by the sealing surfaces, they also constitute a practical solution to solve the problems of tightening of the components, locking or handling of the devices.

APPLICATION SECTOR ► In the field of the inflatable seals we boast numerous customers in the wine sector, both for sealing solutions on the closures of the production machines, and for the supply of gaskets for the always-full lids of steel and fiberglass's tanks.

We also have a production range for the pharmaceutical industry, with USP class VI certified silicone compounds.

AVAILABLE COMPOUNDS ► For the realization of the inflatable seals, special formulations have been developed in the main elastomer families (EPDM, NBR, Silicone and Fluorosilicone).

The joint is made with infra-red crosslinking mastic, or sheet-printed or injection-moulded.

SECTIONS AND MOLDS ► We have numerous sections and moulds already present in the catalogue with which produce gaskets of different sizes and dimensions: ring, frame, or open end cap, complete with valves and fittings for manual inflation or through specific systems.

The suitable profile is determined based on the operating and installation conditions.

The inflation fittings can be fixed to the gasket both mechanically and by overmolding.

We have a wide range of fittings with metric threads, gas and quick couplings.

DESCRIPTION ► Under the action of a fluid or compressed air, the gasket is activated by switching from the rest position to the working position. Once the pressure is released, the material is able to return to its initial position by virtue of the memory properties of the elastomer.

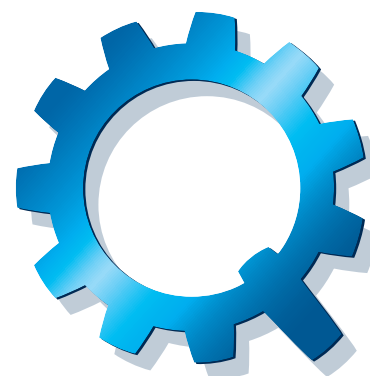
The introduction of fluid or air into the gasket takes place through a metal valve or a rubber coupling, which allows the connection with a power supply circuit.



How to reach us:

Qualitylav is located in Corso Montello n° 6 in Seveso (MB) and can be easily reached by car from the main motorway arteries.

Our sales network covers the whole national territory and we are present in Europe with qualified agents and technicians.



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ARTICOLI TECNICI IN GOMMA E SILICONE



*We are available to study and manufacture dies
for extrusion of sections to design in order
to be able to satisfy any specific
Customer request.*



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