

EPDM gasket

gaskets

Technical Data Sheet

EPDM gasket made from an EPDM polymer blend, which provides great resistance to weathering and ozone. It also has great resistance to high and low temperatures and largely retains its memory, compression and recovery properties. This allows an excellent sealing, which makes it an ideal product for use in integral facades with gaskets and in unitized facades, as well as in profiles of architectural lines. It is compatible with specialty glasses.

Technical Information

PROPERTIES	VALUE	TEST METHOD
Density	$1.27 \pm 0.03 \text{ g/cm}^3$	ISO 2781
Hardness	$70 \pm 5 \text{ Shore A}$	ISO 7619-1
Tensile strength	$\geq 5,0 \text{ Mpa}$	ISO 1421
Elongation to the rupture	$\geq 240 \%$	ISO 1421
Compression set	$\leq 27 \%$	ISO 815
Work temperature	-49°F to 194°F	

Information obtained from laboratory tests.

Uses

EPDM gasket has been mainly developed for:

- Glazing of integral facades with a perimeter fixing system using profiles and packaging.
- Complement of assemblies in unitized structural facade systems.
- Glazing in. European or national residential gates.

Advantages

- Excellent memory (recovery capacity under deformation).
- Remarkable resistance to weathering and humidity.
- Lubricated for easy installation.
- Longer lifetime than a vinyl gasket.
- Does not shrink.
- Does not crack.
- Resistant to high and low temperatures.

Application

Keep **EPDM gaskets** stored and sealed until use to prevent contamination. Before starting, check that the gasket has an even cut on the end. If not, make a cut as even as possible before starting the installation. Depending on the type of system will be the type of installation. For conventional systems start placing the gasket on the upper horizontal aluminum profile and when you reach a corner make a partial cut of the gasket to allow it to be folded and installed on the other aluminum profile without cutting it completely. Repeat this operation in each corner. When you are finished installing the gasket, cut it to avoid gaps at the seams. For facade systems, it is recommended to review the instructions of the aluminum manufacturer to know the details and installation. Some dual extrusion **EPDM gasket** designs only need to be separated prior to installation.

NOTES: The installation process may vary based on the installed system.

EPDM gasket is pre-lubricated for easy installation.

Some **EPDM gaskets** designs are manufactured using double extrusion and should only be separated before installation.



Recommendations

- Carry out tests under real application conditions to ensure its correct operation.
- To achieve a good packing result, the use of packing (back and wedge, or two wedges) is recommended on both sides of the glass in order to avoid contact between the glass and the aluminum profile.
- The use of one-sided wedges is only recommended for clear or tempered glass in residential and commercial windows.

Maintenance

- No maintenance is required, however they must be cleaned periodically or when in contact with detergents or cleaning products generally used to clean glass, as these can cause damage to the packaging.

Precautions

- Avoid excessive stretching when positioning . If it does not fit, it is that it is not the appropriate size or design.
- Do not use soapy water or detergents, greases or lubricating oils for installation.
- Avoid pricking it with screwdrivers or any sharp element.

Limitations

- Does not adhere to most silicones.

Presentation

- Reel (depending on the design, it will be the number of meters per reel).

Colors

- Black

Performance

The yield of the **EPDM gasket** is different on every design (code), request to technical department.

Shelf Life

12 months in cold and dry warehouse in its original packaging at temperatures of 21 °C (70 °F) and 50% relative humidity.

Technical Support

Productos Pennsylvania's Technical Support is at your service, assisting you with:

Guidance in how to apply this or any of our products.

Blueprint reviews.

Joint dimension calculus.

Compatibility and adhesion testing of our sealants with different materials.

NOTE:

Productos Pennsylvania S.A de C.V. provides technical assistance when required. Please contact our Technical Department regarding use and application of this product. It is the user's responsibility to test the product and its uses before application.

Productos Pennsylvania, S.A. de C.V.

Camino a San José 1, Fracc. San Pablo Tecnológico, C.P. 76150, Querétaro, Qro. México

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Date of production: **April 2023**

the caulking expert

