

TPV gasket

gaskets

Technical Data Sheet

Thermoplastic Rubber (TPV) packaging made with a EPDM and Polypropylene compound, which provides great resistance to high and low temperatures, as well as low residual deformation by compression, making it an ideal product for use in "Integral Facades with Seals and "Unitized Facades", as well as in Architectural profile lines and polycarbonate dome systems that require seals, as they do not transmit plasticizers; our seals are also compatible with specialty glasses.

Technical Information

PROPERTIES	VALUE	TEST METHOD
Hardness Shore A	72	ASTM D2240
Specific gravity	0.97 g/cm ³	ASTM D792
Elongation	590%	ASTMD412
Tensile strength	86.47 kg/cm ²	ASTMD412
Ashes	Max. 85%	
Compression Set	23% (73.4 °F) 32% (158 °F) 47% (257 °F)	ASTMD395
Weather resistance	Very good	

Information obtained from laboratory tests.

Uses

TPV gasket has been mainly developed for:

- Glazing of integral facades with perimeter fixation with profiles and gaskets.
- Complement of assemblies in unitized structural facade systems.
- Glazing in European or national residential windows and doors frames.
- Prefabricated windows, where quality and safety are important.
- Installation of polycarbonate, the **TPV gasket** is compatible with the polycarbonate and does not content elements that migrate to surfaces causing damages.

Advantages

- Virgin raw material.
- Excellent memory (recovery capacity under deformation).
- Remarkable weather and humidity resistance.
- Easy installation.
- Longer lifetime than a vinyl gasket.
- Does not shrink.
- Does not crack.
- Resistant to high and low temperatures.

Application

Keep the **TPV gasket** in the reel until use it. Before start verify that the gasket has an even cut in the end, otherwise cut it as even as possible before starting the installation, either a straight cut at 45° depending of the type of installation to be performed. Start placing the gasket in the aluminum profile sliding slowly along the vein of the aluminum profile until reaching the cloth in the other side of the profile. Cut exactly at the edge of the aluminum profile. Repeat this operation in all the profiles where the manufacturer of the gates specify, they shall be placed.

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





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Recommendations

- Perform tests under actual application conditions to guarantee its proper operation.
- To achieve a good gasket result it is recommended the use of gaskets (support and wedge, or two wedges) at both sides of the glass to prevent the contact of glass with the aluminum profile.
- When using a single packing design, it is recommended a lead in sliding lines. The use of wedges in one side is only recommended in clear or tempered glasses in residential and commercial windows.
- Keep the excess in its original packaging, preventing the contamination of the product with dust and ensuring its proper operation in the installation.

Maintenance

- No maintenance required, nevertheless it shall be periodically cleaned, or when are in contact with detergent or cleaning products normally used during the cleaning of glasses due they may cause damages in the gasket.

Precautions

- Prevent stretch it excessively when placing. If it does not fit, then it is not the size or proper design.
- Do not use soapy water or detergent, greases or lubricant oils for installation.
- Prevent punctions with screws or any sharp element.

Limitations

- Are not compatible with silicones, so it is not recommended to use them in direct contact with the gasket.

Presentation

- Rolls of 5 kg
- Rolls of 7 kg

Colors

- Black

Performance

The yield of the **TPV 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.

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the caulking expert

