

LST 300, low-seal tape

tapes

Technical Data Sheet

LST 300, low-seal tape is a foam tape, with closed cell, of polyvinyl chloride (PVC), with adhesive on one side, used as acoustic sealant. Its low density controls the noise and vibration transmission, which makes it ideal for acoustic panels.

Technical Information

PROPERTIES	VALUE	TEST METHOD
Density: lb/ft ³ (kg/m ³)	6.0 (96.1)	ASTM D-1667
Adhesion peel 90°, oz/in (N/cm)	16 (175)	PSTC-2
Tensile strength psi (kPa)	15.0 (130)	ASTM D-412 (Die A)
Foam elongation	140%	ASTM D-412 (Die A)
Hardness Shore 00	13	ASTM D-2240
Water absorption weight %	4	NTP-35
Compressing force 30% PSI (kPa)	2.0 (13.8)	ASTM D-1667
Compressing deflection PSI (kPa)	1.1 (7.6)	ASTM D-1667
Compression at fastening (original height loss %)	7	NTP-37
Application temperature	4 °C to 52 °C (40 °F to 125 °F)	
Working temperature	-26 °C to 71 °C (-15 °F to 160 °F)	

Information obtained from laboratory tests.

Uses

LST 300, low-seal tape has been mainly developed for:

- Suppress effectively the noises in the perimeters of the panels systems.
- The product is used in the walls of the panel systems to control noise and vibration transmission.
- For seals between sheets in car industry and in air conditioning.
- Cold rooms seals.
- Vending machines
- False ceilings.
- Insulation of air conditioning in roofs.

Advantages

- Excellent for sealing against light, dust, humidity and all sealing needs in general.
- Closed cell so it provides an even seal against water.
- The rolls are dimensionally stable, it will not exude, drip or run under compression.
- Easy to handle and adapt to irregular or curve surfaces.
- Low thermal conductivity, so it improves the energy efficiency of the structure.
- Control sound and vibration transmission, ideal for acoustic parts.
- Low deflection force that reduce distortion of substrates or adjacent materials.

Application

The surfaces shall be free of dust, grease, oil, water and soil. The cleaning of smooth surfaces (like glass, metal, etc.) shall be done with two cleaning clothes, consisting in passing a (lint free) cleaning clothe impregnated with isopropyl alcohol, and removing immediately all the impurities with a clean and dry cleaning clothe. Do not touch the adhesive surface before applying the tape. The protector is on the side without adhesive, which allow a fast installation. Do not remove the protector until the sealing tape is on its place. This prevent the foam from stretching.

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Recommendations

- Perform tests under actual application conditions to guarantee its proper operation.
- Do not remove liner or touch the adhesive during the installation to prevent contamination.
- The acoustic sealant tape **LST 300** shall be applied on clean surfaces to obtain the maximum contact. The thickness of the selected tape shall allow a minimum compression of 15%. Although the variations in surfaces will differ between one work and another.
- Do not stretch the tape during installation.

Maintenance

- No maintenance required.
- If the application zone or the adhered piece suffer any damage, it is recommended to replace the tape for a new one eliminating the previous residues and following the application recommendations.

Precautions

- Keep out of the reach of children.
- Do not clean with products that can leave residues (like thinner, that may also affect the finishing of the products).
- The product contains plasticizers that may affect some plastics.

Limitations

- In structural glazing systems.
- In polycarbonate skylights.

Presentation

Colors

- Gray

Coverage

Code	Thickness	Width	Meters / Roll
LST-338	3/8"	3/8" up to 4"	7.62
LST-334	3/4"	1/2" up to 4"	4.60

Shelf Life

12 months in cold and dry warehouse.

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

