

Acrylic Foam Doubled-sided Tape

High strength alternative to mechanical fasteners

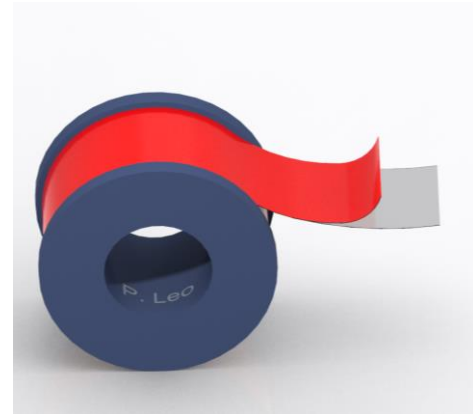


Overview

P. Leo 1B826S is a double-sided acrylic foam pressure-sensitive adhesive tape that offers exceptional bonding strength and versatility. The tape is proven to be an alternative to screws, rivets, welds, and other forms of mechanical fasteners.

Highlights:

- Fast and easy-to-use permanent bonding method to provide strong adhesive strength and long-term stability.
- Gray, 0.4 mm thick, multi-purpose adhesive and conformable acrylic foam offers a good balance of strength and conformability.
- The tape bonds on contact, does not require a cure time, assemble easily, and can be cut into precise shapes and sizes for custom applications.
- Excellent chemical resistance and UV resistance.



For interior and exterior applications:

- ✓ Automobiles
- ✓ Construction
- ✓ Ships
- ✓ Electrical
- ✓ Electronics
- ✓ Household goods

Specifications:

Properties	Units	Values	Remarks
Thickness	µm	400 ±50	
Color		Gray	
Peel Strength (180°C)	gf/25 mm	≥ 3,500	ASTM D-3330
Tensile strength	gf/cm ²	≥ 7,500	ASTM D-897
Holding power	Hours	≥ 24	ASTM D-3654
Dynamic Shear Strength			
Initial (20 mins)	kg f/cm ²	≥ 4.5	ASTM D-1002
After (24 hours)	kg f/cm ²	≥ 7.0	ASTM D-1002
Temperature tolerance			
Short term	°C	160	4 hours, 100 grams
Long term	°C	100	10,000 minutes, 250 grams

Application example:

- **Bonding for automotive information displays (CIDs)**

The automotive industry is adapting to larger, thinner, and more curved display designs. Our P. Leo double-sided tapes combine strength and reliability of acrylic adhesives with the conformability of acrylic foam, offering more design flexibility for automotive display bonding.

The viscoelastic properties of the tapes absorb vibration and shock, protecting displays from impact and fatigue. The tapes also offer strong bonding strength, good heat resistance, excellent UV and chemical resistance, as well as effective sealing.

Last but not least, the tape is convenient, easy to use, and can be die-cut into custom shapes, simplifying the assembly process.



Photo of automotive information display

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