

Meet higher standards.

Exceptional bonding on low surface energy (LSE) substrates

3M™ VHB™ Tape LVO Series





You have high standards.

Achieving the bond your applications demand shouldn't come with compromises. The 3M™ VHB™ Tape LVO Series solves the problem of creating high-strength bonds on difficult substrates. From automotive interior and display bonding to furniture and appliances, this new cutting-edge technology is specifically designed and tested to meet the growing need for robust adhesives on low surface energy (LSE) substrates.

For more than 40 years, 3M™ VHB™ Tapes have defined performance and helped customers build and deliver better products. With the 3M™ VHB™ Tape LVO Series, you can now bond platics and other challenging substrates without bulky, inefficient mechanical fasteners. Plus, these tapes meet stringent regulations for low odor and low volatile organic compounds (VOCs).



Strong adhesion to low surface energy (LSE) substrates.

Say goodbye to mechanical fasteners and unreliable adhesives. With its advanced adhesive engineering, the 3M™ VHB™ Tape LVO Series is your solution for achieving powerful bonding on challenging surfaces with the advantages of low VOCs and low odor. Engineered with a cutting-edge adhesive formulation, this tape provides long-lasting performance, higher quality, and more reliability.

- Exceptional bonding to LSE substrates like polypropylene and polystyrene
- Resilient against environmental factors, such as moisture and heat
- High peel adhesion and high shear performance
- Fast and easy application allows for labor and cost efficiency
- Bonds on contact to provide immediate handling strength
- Can eliminate the need for drilling, grinding, refinishing, screwing, welding, and cleanup
- Can replace bulky rivets, spot welds, or screws
- Can replace cumbersome and messy liquid adhesives



Benefits of the 3M™ VHB™ Tape LVO Series also include:

- **Strength at high temperatures:** Excels in temperatures up to 121°C (250°F), making it ideal for automotive display applications
- **No light leakage:** Black core prevents light leakage — another benefit for automotive displays
- **Compliance with FDA requirements:** Has FDA applicability for indirect food contact applications per 21 CFR 175.105*

*For full regulation information, please see the regulatory data sheet at 3M.com/SDS.

Low odor.

Undesirable smells from tapes are a thing of the past. The 3M™ VHB™ Tape LVO Series is engineered with advanced technology to deliver a low-odor profile for interior spaces while maintaining exceptional, long-lasting performance in tough conditions. The 3M™ VHB™ Tape LVO Series is a multifaceted solution that provides high customer satisfaction in factories by reducing odors without sacrificing performance.

- Low in odor — tested to VDA 270 standard*
- Made for use across many applications and industries, from appliances to automotive interiors

Low VOCs.

Your customers — along with regulating entities around the world — demand solutions with low VOCs. The 3M™ VHB™ Tape LVO Series is specially designed to deliver on low out-gassing needs, low VOCs, and minimal fog emissions during application. With advanced technology and carefully selected materials, the 3M™ VHB™ Tape LVO Series maintains top-notch performance across a wide range of interior applications.

- 85% reduction in VOCs compared to common acrylic foam tapes — tested to VDA 278 standard*
- 80% reduction in fog compared to common acrylic foam tapes — tested to VDA 278 standard*

*Engineered to deliver low odor and low VOCs according to emission tests VDA 270 and VDA 278.



Trust 3M for science-based innovation.

Choose the 3M™ VHB™ Tape LVO Series with confidence knowing it was developed based on 3M science and backed by data. It's your go-to solution for the next generation of manufacturing.

Learn more at 3M.com/VHB.

Ordering Information

Product	Caliper
LVO-040BF	0.4 mm (0.016")
LVO-060BF	0.6 mm (0.025")
LVO-080BF	0.8 mm (0.031")
LVO-110BF	1.1 mm (0.045")
LVO-160BF	1.6 mm (0.062")

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Industrial Adhesives and Tapes Division
3M Center
St. Paul, MN 55144-1000 USA
Phone 1-888-364-3577

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