



# Acoustical Surfaces, Inc.

**SOUNDPROOFING, ACOUSTICS, NOISE & VIBRATION CONTROL SPECIALISTS**

123 Columbia Court North • Suite 201 • Chaska, MN 55318

(952) 448-5300 • Fax (952) 448-2613 • (800) 448-0121

Email: [sales@acousticalsurfaces.com](mailto:sales@acousticalsurfaces.com)

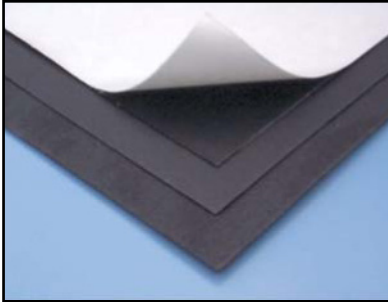
Visit our Website: [www.acousticalsurfaces.com](http://www.acousticalsurfaces.com)

**We Identify and S.T.O.P. Your Noise Problem**

## TECHNICAL DATA SHEET

### VB-2

## ACOUSTICAL SURFACES, INC. VB-2 VINYL BASED VIBRATION DAMPING SHEETS



**VB-2** provides a clean flexible solution for vibration damping sheet metal panels. They effectively eliminate noise emanating from resonant structures and surfaces. Outstanding damping characteristics are achieved by overlapping filler platelets which are oriented during production. Such materials achieve a high degree of damping over a broad temperature and frequency range.

The **VB-2** sheet also exhibit excellent physical properties and are resistant to most common chemicals.

Excellent flame resistance and low smoke generation make **VB-2** ideally suited for the toughest applications.

- VB-2 is formulated for maximum damping efficiency over a broad range of temperature and frequencies.
- VB-2 is easy to handle and is easily molded and shaped using heat and pressure and work with a powerful acrylic adhesive for secure attachment to the product
- VB-2 has excellent flammability resistance and meets the toughest FAR and UL94 requirements
- VB-2 is resistant to water based solutions, oils, greases and most industrial type fluids

### Applications

Typical applications include computer housings, appliances, transportation and construction equipment plus a wide variety of architectural applications. **VB-2** is easily handled, fabricated or die-cut. It is available with pressure sensitive adhesive for ease of application in a variety of thickness and size.

Hushcloth sound absorption layers can be added for enhanced performance.

### Typical Properties

<b>Type</b>	Mineral filled viscoelastic polymer
<b>Thickness</b>	.042"
<b>Density</b>	100lbs/ft <sup>3</sup> (1600Kg/m <sup>3</sup> )
<b>Surface Density</b>	Standard 0.42lbs/ft <sup>2</sup> (2Kg/m <sup>2</sup> )
<b>Stiffness ASTM D 747</b>	28kpsi(193Mpa)
<b>Tensile Strength ASTM D412</b>	1.56kpsi (10Mpa)
<b>Elongation ASTM D412</b>	42%
<b>Tear Strength ASTM D 624</b>	136 lb/in (2.4Kg/mm)
<b>Hardness ASTM D2240</b>	93 (Shore A)
<b>Flammability</b>	
<b>DOT MVSS 302</b>	Pass
<b>UL94</b>	HF1,V0
<b>FAR 25.853</b>	(6) vertical
<b>ASTM E 162</b>	Special Formulation
<b>ASTM E 662</b>	Special Formulation
<b>NFPA Designation</b>	258
<b>Sheet Size</b>	37" by 54"
	Optional sizes available

