

DBL Sound and Vibration Damping Sheets



DBL Damping Sheets (DBL) is a self-adhesive, lightweight damping pad material used for controlling noise and vibration in truck, bus and industrial machine sheet metal applications. The pad material is odorless, wear resistant, and waterproof. DBL provides damping performance equal to that of conventional materials twice its weight.

The pressure sensitive adhesive side of the pad is smooth, free of air pockets and channels, allowing good contact to be made with the underlying surface.

A specially formulated adhesive on the pressure sensitive side maximizes acoustical performance.

Both pad material and adhesive can withstand a wide range of temperatures. Aging resistance is excellent.

Material - Physical Properties

Pad size availability	In rectangles or cut to shape. Tabs can be provided for ease of removal of release paper
Thickness	0.080" (2.0mm) – release paper nominal 0.005" (0.13mm)
Damping Loss Factor	Approximately 0.14 for DBL applied to 0.040" (1mm) thick steel beam at room temperature and a frequency of 200Hz
Weight	0.36 #/ft ² (1.77Kg/m ²)
Chemical Resistance	Resistant to mineral oils and water
Adhesive Bond Strength	About 30 #/in ² (0.2MPa)
Temperature Resistance	-30 °C (-22 ° F) to 90 °C (194 ° F)
Thermal Conductivity	0.76 BTU-inch/ft ² /hr/° F (0.11W/m ° K) Flammability FMVSS 302 – Pass UL94 - HB

