



Damping Mat DMP2

Description

DMP2 Damping Mats are a lightweight PVA-based, visco-elastic polymer. They are designed for use in acoustic applications where a high level of vibration damping is required. They come with a self-adhesive backing and are available in standard sheet sizes of 1.6 x 1.0 mtr. or die-cut to shape.

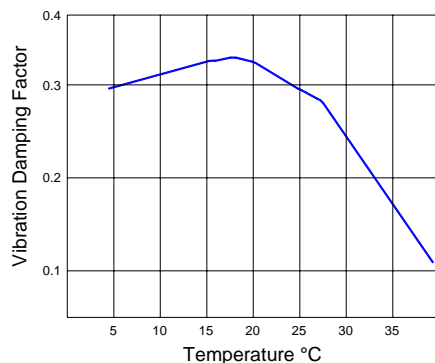
Applications

DMP2 Damping Mats are used extensively to reduce vibration in sheet metal and other resonant surfaces, such as vehicle body parts, machine panels, steel sinks and tables etc. They are particularly suitable for clean-room environments.

Specification

Thickness	Density	Temp Range	Flammability	Sheet size	Colour
1.4mm	2.6kg/m ²	-35° to +100° (intermittent temperatures up to 160°)	FMVSS 302	1.6 x 1.0mt	Grey

Acoustic Performance



Vibration Damping Factor: The vibration damping performance of a material can be defined by its 'damping factor'. This is the ratio of the material's damping to its critical damping. Critical damping is the smallest value for which a sample does not vibrate when deflected and released. It is also a temperature dependent property. For PVA Based Damping Sheet, optimum damping is achieved between 15°C and 20°C.

Storage and Handling

DMP2 sheets should be stored at temperatures between 18°C and 25°C.

Before use they should be allowed to stabilise at room temperature, ideally above 18°C. the adhesion will be increased if the sheet is preheated to 30°C.

The substrate should be clean, dry and free of oil or other contaminants. If necessary clean and dry the substrate with methylated spirit or similar.

Peel off the release paper, apply the mat, ideally on the horizontal plane, using forward and downward pressure.

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