

Technical Datasheet

V2.0-EN

Anti-vibration pad

EVA

Eliminate vibrations.



Application

- The EVA anti-vibration pad is designed to reduce vibrations emanating from motor driven appliances such as compressors used in air-conditioning and refrigeration units.

Features & Benefits

- Performs better than rubber or cork for equivalent size.
- More efficient than solid rubber vibration dampers.
- Ideal for vibration damping of residential-packaged condensing units.

Composition

- This product consists of a polymeric foam core laminated with two ribbed rubber sheets. These sheets are laminated in such a way that the ribs are ninety degrees opposed to one-another. This opposition provides a natural resistance to creep or "walking" normally associated with vibrations.

Material surface

- Rubber
- Used as the anti-skid surface on the top and bottom of the pad. This rubber is a styrene butadiene rubber with aggressive tensile strength, and elongation characteristics suitable for the application.

Material core

- EVA (Extreme Vibration Attenuation)
- Used as the core vibration dampening material. This EVA material is a polymeric foam material. It is constructed of a proprietary blend of ethyl vinyl acetate and other suitable enhancements.

Weight

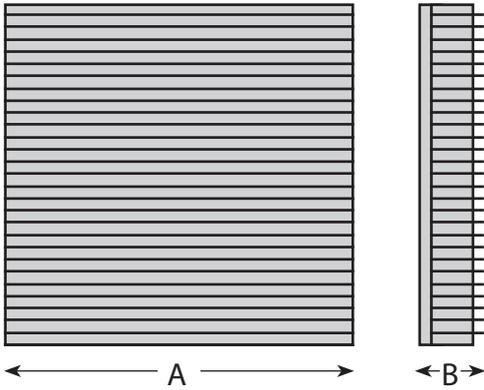
- 1.34 oz/in² - 5,88 gr/cm²

Load capacity

- Resistant to pressure up to 3.5 kg/cm²

Chemical resistance

- not affected by oils or chemicals



Ordering Info

Model	MOQ	CODE
MP.2E	48 pcs/box	0901.00001.E02
MP.3E	36 pcs/box	0901.00001.E03
MP.4E	24 pcs/box	0901.00001.E04
MP.6E	24 pcs/box	0901.00001.E06
MP.12E	12 pcs/box	0901.00001.E12
MP.18E	6 pcs/box	0901.00001.E18

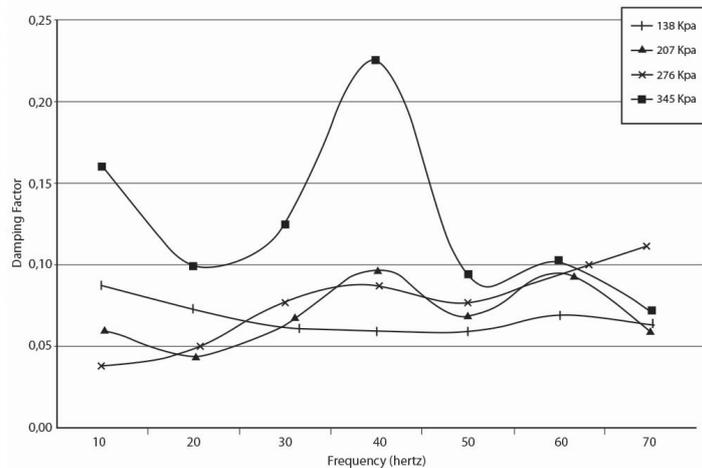
Dimensions

Model	Size (A&B)	A	B
MP.2E	50 x 50 x 22 mm	2"	.86"
MP.3E	75 x 75 x 22 mm	3"	.86"
MP.4E	100 x 100 x 22 mm	4"	.86"
MP.6E	150 x 150 x 22 mm	6"	.86"
MP.12E	305 x 305 x 22 mm	12"	.86"
MP.18E	455 x 455 x 22 mm	18"	.86"

Dynamic Loading Data

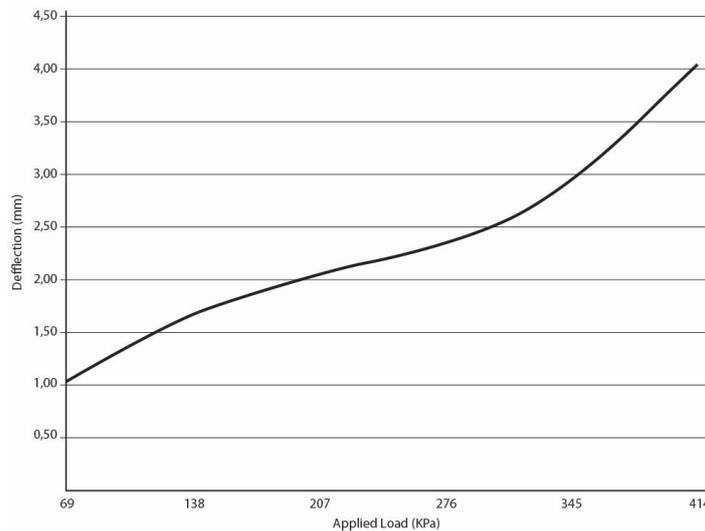
Application of varying loads at varying frequencies permits the measurement of peak particle velocities of the applied and damped vibrations. A ratio of these two peak particle velocities yields a "Damping Factor" - the degree to which our product isolates the mounting surface from the applied vibrations.

A damping factor of zero would mean that none of the applied vibration is transmitted through the EVA pad. Similarly a damping factor of 0.25 means that only one-quarter of the applied vibration is transmitted through the EVA pad (three-quarters is arrested). The following chart represents damping factors at varying loads and frequencies.



Static Loading Data

Given a uniformly applied static load the following chart defines measured deflection. A loading maximum of 340 kPa is permissible with the EVA product.



Static Loading Data

The EVA pad is suitable for storage and operation in a wide range of temperatures from -25C to +75C.

The EVA pad is highly resistant to water absorption. Additionally, the material is resistant to attack by acid, alkali, gasoline, oil, aromatic hydrocarbons, ketones, oxidation and ozone.

Disclaimer

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The qualified professional installer is supposed to have the necessary professional knowledge

Appropriate tools and materials for installation and for maintenance must be selected and used according to the professional know-how, in respect with the nature of our products and in compliance with all procedures and regulations in application at the location of installation.

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All dimensions in this document are in mm unless otherwise specified and are not mentionned for manufacturing purposes, tolerances apply..