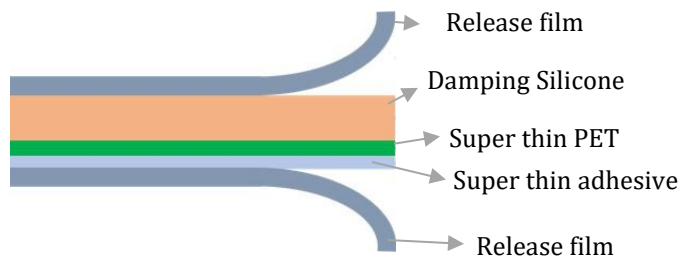


## DS-M Series damping silicone

The **DS-M series** damping silicone sheet is a specially developed silicone product. With characteristics of long- lasting elasticity, cushioning and shock absorption, and medium viscosity surface and etc. It is suitable for filling of small spaces. Medium sticky silicone surface can be well bonded with the object. Its excellent viscoelasticity can effectively consume mechanical vibration or sound energy in the form of internal energy, reduce the vibration amplitude to achieve the purpose of damping. DS-M series silicone damping sheet can be provided in roll form with different thicknesses and easy to be processed by die cutting.



### Features and Advantages

- The silicone surface is with proper viscosity.
- Easy to replace and disassemble.
- Long-term stable adhesion.
- Materials with various thickness options to meet various gap filling requirements.
- Low D<sub>3</sub>-D<sub>10</sub> volatile amount which can avoid electric shock failure and optical blur.

### Applications

- amplitude attenuation
- noise isolation
- buffer protection

### Installation

- single-sided adhesive for easy attachment on different surfaces



**DS-M series basic physical properties**

properties	test methods	typical value
thickness (mm) tolerance	thickness gauge	0.3mm ±10%
color	visual inspection	clear silicone/black PET
* compression force deflection (kPa)	compressing speed 5mm/min. 25%compression	1200~1400
adhesion of silicone surface,180 degree peeling off	to matte PET	30~50gf/25mm
acrylic glue adhesion	ASTM D1000, 180degree peeling off, stainless steel plate	>600gf/25mm
shock absorption rate	ball drop : copper ball 30g , height 30cm	> 30%
loss factor tanδ	-40~90°C, 30Hz, shear mode	> 0.3 (max: 0.73)
D <sub>3</sub> -D <sub>10</sub> (ppm)	internal standard	total D <sub>3</sub> ~D <sub>10</sub> : < 800
warranty	since production date	12months

\* Refers to the compression force deflection of a sample with 0.3mm thickness.

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