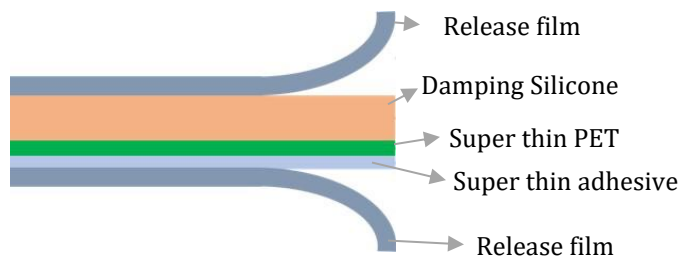




## DS-L Series damping silicone

The **DS-L series** damping silicone sheet is a specially developed silicone product. With characteristics of long-lasting elasticity, cushioning and shock absorption, and slightly sticky surface and etc. It is suitable for compaction or filling of small spaces. It has good viscoelasticity. When it is subjected to shock or noise transmitted from the outside, it will produce polymer chain or chain segment movement. Through the intermolecular friction during movement, mechanical energy will be dissipated in the form of heat energy to reduce vibration amplitude and noise to achieve the purpose of damping. DS-L 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 low viscosity and is suitable for applications with low adhesion requirements.
- Easy to disassemble repeatedly.
- Long-term stable adhesion.
- Materials with various thickness options to meet various gap filling requirements.
- Low  $D_3$ - $D_{10}$  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-L series basic physical properties**

properties	test methods	typical value
thickness (mm) tolerance	thickness gauge	0.3mm ±10%
color		clear silicone/black PET
compression force deflection (kPa)	compressing speed 5mm/min. 25%compression	1400~1600 (thickness 0.3mm)
adhesion of silicone surface,180 degree peeling off	to matte PET	5~10gf/25mm
shock absorption rate	ball drop: copper ball 30g, height 30cm	> 30%
loss factor tanδ	-40~90°C, 30Hz, shear mode	> 0.3 (max: 0.65)
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

The above data is the average of tests, you can contact our company to provide more technical information.

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