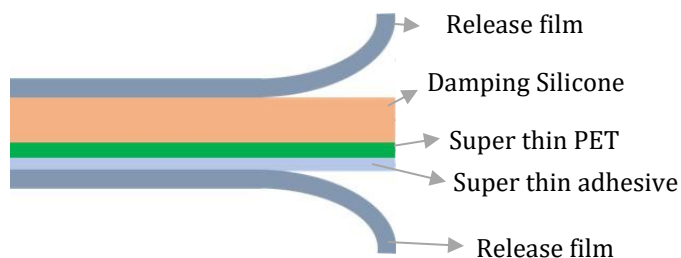


SHD Series Damping Silicone

SHD series damping silicone is ultra-high damping products specially developed for the application conditions of ultra-thin spaces to meet the special requirements of customers. It has the characteristics of ultra-thin thickness and ultra-high damping, convenient processing and use, and can be used in combination with foam. SHD silicone has excellent damping characteristics, which can efficiently consume part of mechanical vibration or sound energy in the form of internal energy, and reduce vibration amplitude. Especially, thin samples can also have very good damping effect.



Features and Advantages

- ultra-high damping performance;
- ultra-thin thickness;
- proper viscosity and easy to replace and disassemble;
- low D_3 - D_{10} volatile amount which can avoid electric shock failure and optical blur;
- materials with various hardness options to meet various requirements;

Applications

- amplitude attenuation
- noise isolation
- gap filling for ultra-thin spaces

Installation

- single-sided adhesive for easy attachment on different surfaces



SHD series basic physical properties

properties	test methods	typical value
thickness (mm) tolerance	thickness gauge	0.10mm ±10%
color	visual inspection	clear silicone /black PET
* compression force deflection (kPa)	compressing speed 5mm/min. 25%compression	350~500
adhesion of silicone surface,180 degree peeling off (gf/25mm)	To matte PET	20~30gf/25mm
acrylic glue adhesion	ASTM D1000, 180 degree peeling off, stainless steel plate	>600gf/25mm
loss factor tanδ	-40~90°C, 30Hz, shear mode	> 0.3 (max: 0.93)
shock absorption rate	ball drop : copper ball 30g , height 30cm	> 30%
D ₃ -D ₁₀ (ppm)	internal standard	total D ₃ ~D ₁₀ : < 800
warranty	since production date	12mths

* Refers to the compression force deflection of a sample with 0.10mm thickness.