

# HD-MAT High-Damping Mat



## ■ Features

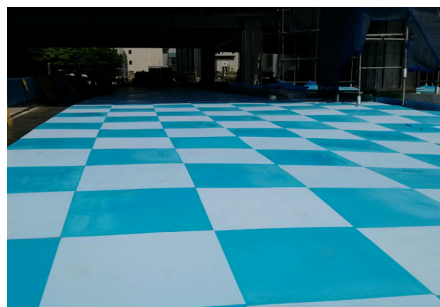
It is a highly-molecular copolymer formed through the foaming of HSBR (Hydrogenated SBR) blended with EVA (Ethylene Vinyl Acetate). Because it has adequate elasticity compared to the conventional foam and excellent damping properties against external exciting force and impulsive load, it can be converted into a static state in a short space of time.

## ■ Specification

Model	A25	A50	B25	B50	C25	C50
Color	Orange		Sky Blue		Purple	
Thickness	25	50	25	50	25	50
Density(kg/m <sup>3</sup> )	100±20%		150±20%		200±20%	
Tensile Strength(MPa)	Over 1.3		Over 1.8		Over 2.0	
Coefficient of Extension(%)	Over 220		Over 220		Over 220	
Rated Load(N/mm <sup>2</sup> )	0.08±20%		0.17±20%		0.20±20%	
Rated Def.(mm)	8	16	8	16	8	16
Natural Freq.(Hz)	Under 12	Under 8	Under 12	Under 8	Under 12	Under 8
Rebound Resilience(%)	Under 25		Under 25		Under 25	
Loss Factor(tanδ)	Over 0.3	Over 0.27	Over 0.3	Over 0.27	Over 0.3	Over 0.27
Dynamic Modulus of Elasticity(N/mm <sup>2</sup> )	Under 1.6	Under 2.0	Under 1.6	Under 2.0	Under 1.6	Under 2.0
Compression Set ((23±2)°C, 22h)	Under 5.0		Under 5.0		Under 5.0	
Water Absorption Ratio (g/cm <sup>3</sup> )	Under 0.005		Under 0.005		Under 0.005	
Size(W x H x T)	1000mmX1000mmX25mm, 1000mmX1000mmX50mm					

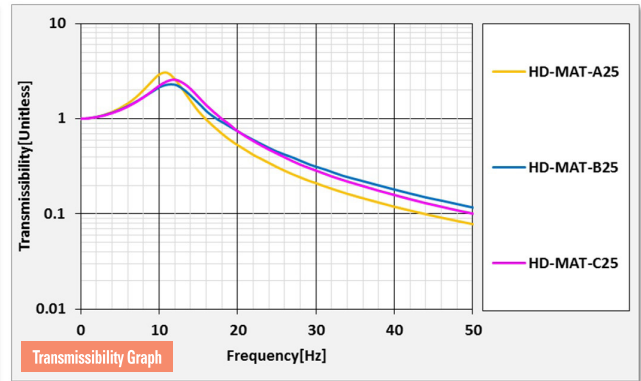
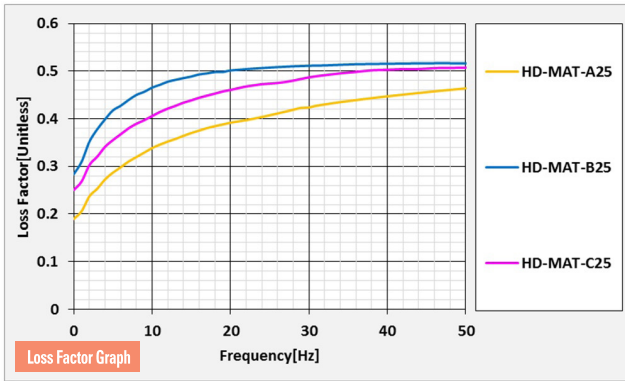
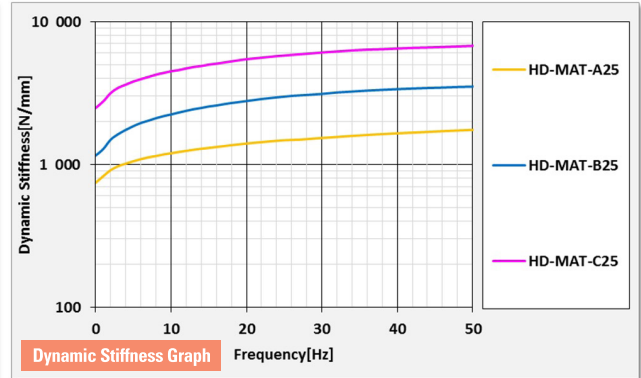
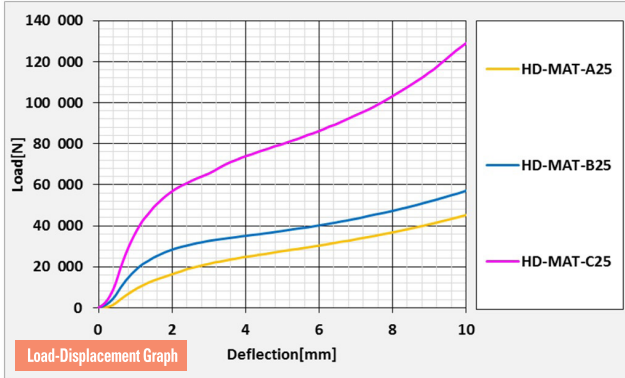
(NOTE) The mentioned size and scale can be altered to improve the quality performance and capacity of the product without any notice.

## ■ Installation features



# HD-MAT High-Damping Mat

## ■ 25T Test Data



## ■ 50T Test Data

