

HD-MAT High-Damping Mat



■ Features

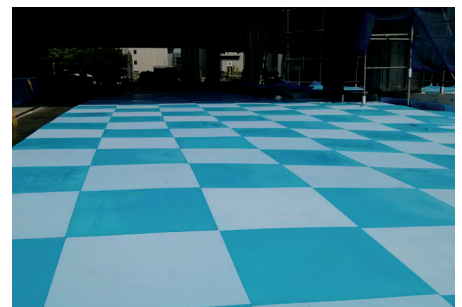
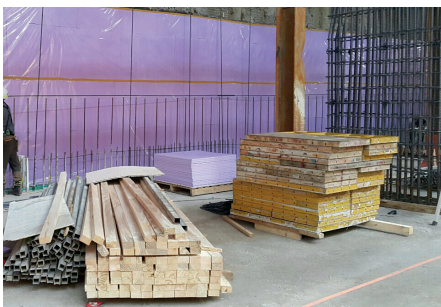
It is a highly-molecular copolymer formed through the foaming of HSBR (Hydrogenated SBR) blended with EVA (Ethylene Vinyl Acetate). Because it has adequate elasticity compared to the conventional foam and excellent damping properties against external exciting force and impulsive load, it can be converted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

■ Specification

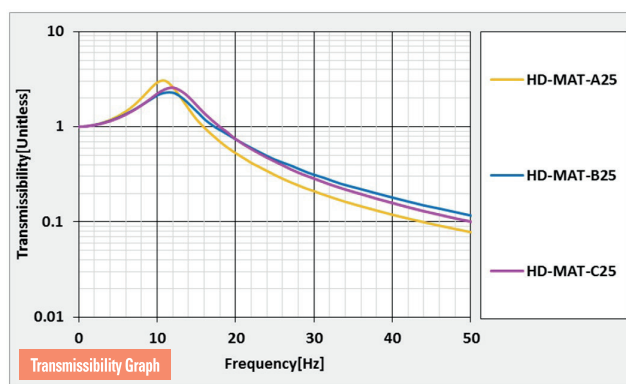
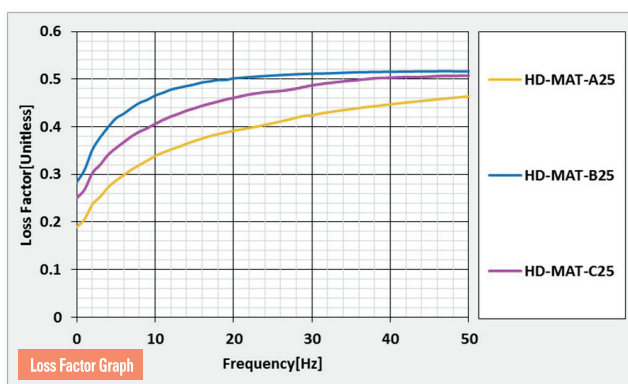
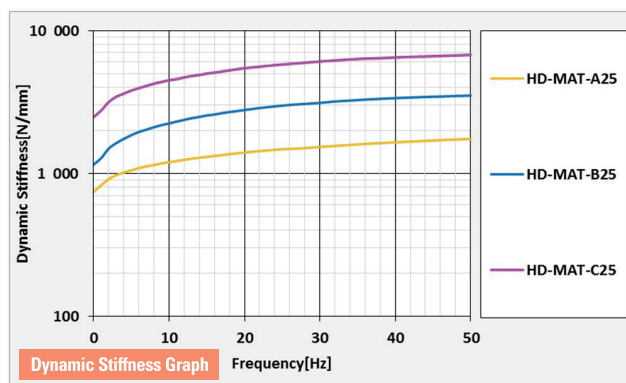
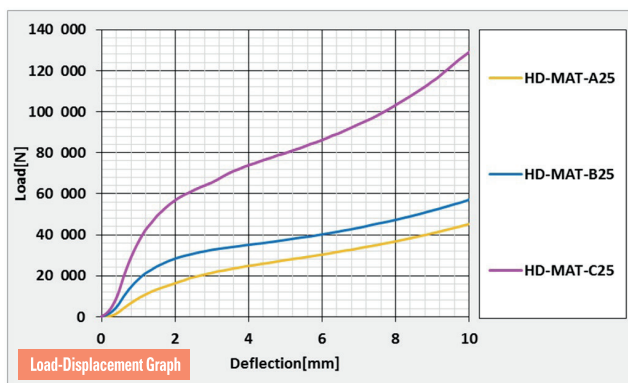
Model	A25		A50	B25		B50	C25		C50
Color	Orange			Sky Blue			Purple		
Thickness	25		50	25		50	25		50
Density(kg/m³)	100±20%			150±20%			200±20%		
Tensile Strength(MPa)	Over 1.3			Over 1.8			Over 2.0		
Coefficient of Extension(%)	Over 220			Over 220			Over 220		
Rated Load(N/mm²)	0.08±20%			0.17±20%			0.20±20%		
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/mm²)	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/cm³)	Under 0.005			Under 0.003			Under 0.003		
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



■ 25T Test Data



■ 50T Test Data

