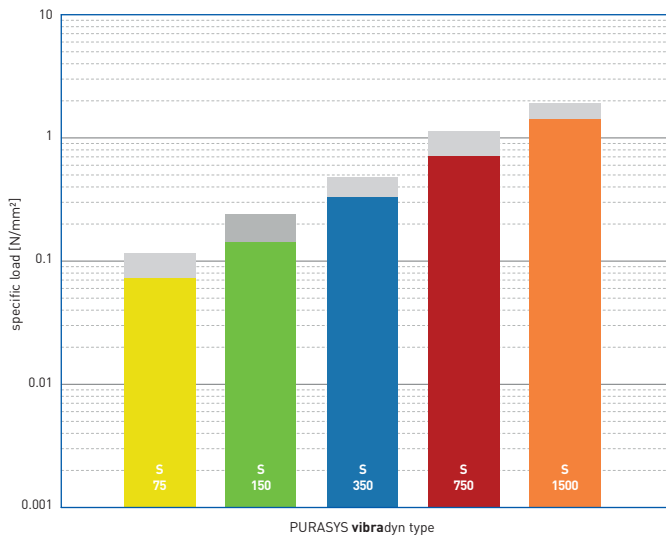
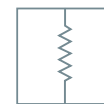


PURASYS **vibradyn** series
Working range



Material closed cellular polyether-urethane

Characteristic



spring

Delivery specifications

Thickness: 12.5 mm and 25 mm
Mats: 0.5 m wide, 2.0 m long
Stripes: max. 2.0 m long

Other dimensions on request (also stamping parts, moulded parts).

Properties	S 75	S 150	S 350	S 750	S 1500	Test method
Colour	yellow	green	blue	red	orange	
Static loads [N/mm ²] ⁽¹⁾	0.075	0.150	0.350	0.750	1.500	
Dynamic loads [N/mm ²] ⁽¹⁾	0.120	0.250	0.500	1.200	2.000	
Load peaks [N/mm ²] ⁽¹⁾	2.0	3.0	4.0	6.0	8.0	
Mechanical loss factor ⁽²⁾	0.06	0.03	0.03	0.04	0.05	DIN 53513 ⁽³⁾
Static E-modulus [N/mm ²] ⁽²⁾	0.63	1.25	2.53	5.21	9.21	DIN 53513 ⁽³⁾
Dynamic E-modulus [N/mm ²] ⁽²⁾	0.92	1.65	3.25	8.88	16.66	DIN 53513 ⁽³⁾
Static shear modulus [N/mm ²] ⁽²⁾	0.16	0.22	0.35	0.80	1.15	DIN 53513 ⁽³⁾
Dynamic shear modulus [N/mm ²] ⁽²⁾	0.27	0.35	0.52	1.22	1.69	DIN 53513 ⁽³⁾
Resistance to strain at 10% deformation [N/mm ²]	0.083	0.16	0.32	0.59	0.94	
Residual compression set [%]	< 5	< 5	< 5	< 6	< 8	DIN ISO 1856
Tensile strength [N/mm ²]	> 1.5	> 2.0	> 3.5	> 5.0	> 7.0	DIN 53455-6-4
Elongation at break [%]	> 500	> 500	> 500	> 500	> 500	DIN 53455-6-4
Tear resistance [N/mm]	> 1.6	> 2.1	> 2.5	> 4.3	> 5.6	DIN ISO 34-1/A
Rebound elasticity [%]	70	70	70	70	70	DIN EN ISO 8307
Specific volume resistance [Ω·cm]	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	DIN IEC 93
Thermal conductivity [W/m·K]	0.06	0.075	0.09	0.10	0.11	DIN 52612-1
Operating temperature [°C]	- 30 up to + 70					
Temperature peak [°C]	+ 120					
Inflammability	Class E / EN 13501-1					EN ISO 11925-1

⁽¹⁾ Values apply to form factor q = 3

⁽²⁾ Measured at maximum limit of static application range

⁽³⁾ Test according to respective standards

All information and data is based on our current knowledge. The data are subject to typical manufacturing tolerances and are not guaranteed. We reserve the right to amend the data.