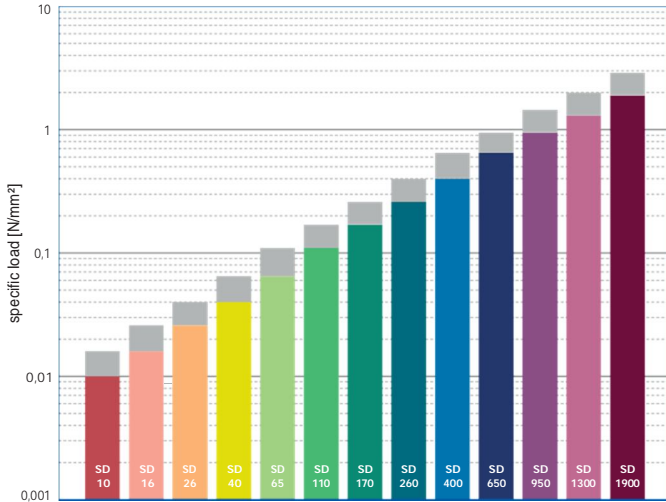
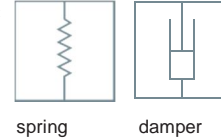


Sylo-elast SD-serie



Material mixed cellular polyether-urethane

Characteristic



spring

damper

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, molded parts).

Properties	SD 10	SD 16	SD 26	SD 40	SD 65	SD 110	SD 170	SD 260	SD 400	SD 650	SD 950	SD 1300	SD 1900	Test method
Colour	red	pink	orange	yellow	bright green	green	dark green	petrol	blue	dark blue	dark violet	violet	Bordeaux red	
Static loads [N/mm ²] ⁽¹⁾	0.010	0.016	0.026	0.040	0.065	0.110	0.170	0.260	0.400	0.650	0.950	1.300	1.900	
Dynamic loads [N/mm ²] ⁽¹⁾	0.016	0.026	0.040	0.065	0.110	0.170	0.260	0.400	0.650	0.950	1.450	2.000	2.800	
Load peaks [N/mm ²] ⁽¹⁾	0.5	0.7	1.0	2.0	2.5	3.0	3.5	4.0	4.5	5.5	6.0	6.5	7.0	
Mechanical loss factor ⁽²⁾	0.25	0.24	0.22	0.15	0.18	0.12	0.13	0.11	0.10	0.10	0.10	0.09	0.09	DIN 53513 ⁽³⁾
Static E-modulus [N/mm ²] ⁽²⁾	0.048	0.111	0.129	0.316	0.453	0.861	0.931	1.64	2.72	4.57	8.16	12.0	20.4	DIN 53513 ⁽³⁾
Dynamic E-modulus [N/mm ²] ⁽²⁾	0.144	0.328	0.443	0.743	1.06	1.86	2.27	3.63	5.27	10.4	21.5	35.2	78.2	DIN 53513 ⁽³⁾
Resistancetostrainat10%deformation[N/mm ²]	0.011	0.018	0.026	0.046	0.073	0.130	0.170	0.270	0.370	0.590	0.930	1.340	1.840	
Residual compression set [%]	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 6	< 7	< 9	< 9	< 8	DIN ISO 1856
Tensile strength [N/mm ²]	> 0.35	> 0.40	> 0.45	> 0.55	> 0.70	> 0.95	> 1.25	> 1.65	> 2.25	> 3.00	> 3.80	> 4.40	> 5.00	DIN 53455-6-4
Elongation at break [%]	> 400	> 400	> 400	> 400	> 400	> 400	> 400	> 400	> 400	> 400	> 400	> 400	> 400	DIN 53455-6-4
Rebound elasticity [%]	50	50	50	50	50	50	50	50	50	50	50	50	50	DIN EN ISO 8307
Specific volume resistance [Ω·cm]	> 10 ¹²	> 10 ¹²	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	> 10 ¹¹	DIN IEC 93
Thermal conductivity [W/m·K]	0.05	0.05	0.06	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.11	0.11	DIN 52612-1
Operating temperature [°C]	- 30 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.