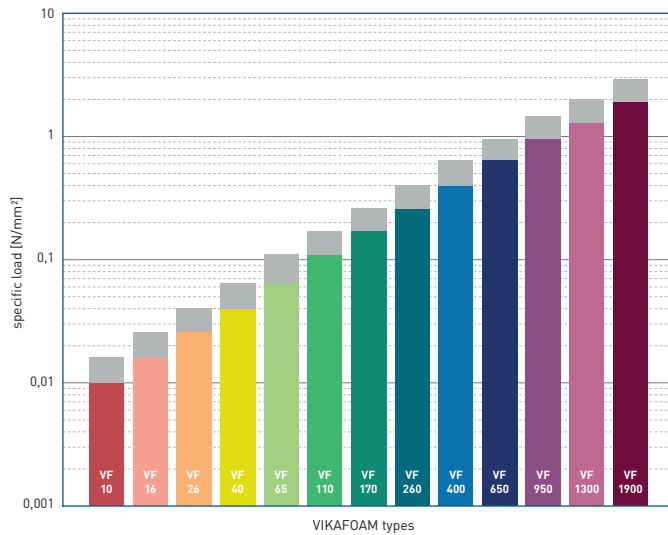
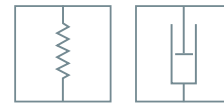


IAC VIKAFoAM series Working range



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, moulded parts).

Properties	VF 10	VF 16	VF 26	VF 40	VF 65	VF 110	VF 170	VF 260	VF 400	VF 650	VF 950	VF 1300	VF 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⁾
Static shear modulus [N/mm ²] ⁽²⁾	0.04	0.07	0.09	0.13	0.17	0.21	0.29	0.41	0.53	0.68	0.93	1.23	1.75	DIN 53513 ⁽³⁾
Dynamic shear modulus [N/mm ²] ⁽²⁾	0.09	0.14	0.17	0.24	0.33	0.49	0.73	1.00	1.15	1.85	2.84	3.51	6.00	DIN 53513 ⁽³⁾
Resistance to strain at 10% 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
Tear resistance [N/mm]	> 0.6	> 0.7	> 0.9	> 1.1	> 1.3	> 1.9	> 2.5	> 2.9	> 3.2	> 3.8	> 5.2	> 5.4	> 6.0	DIN ISO 34-1/A
Rebound elasticity [%]	50	50	50	50	50	50	50	45	45	45	45	40	40	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.