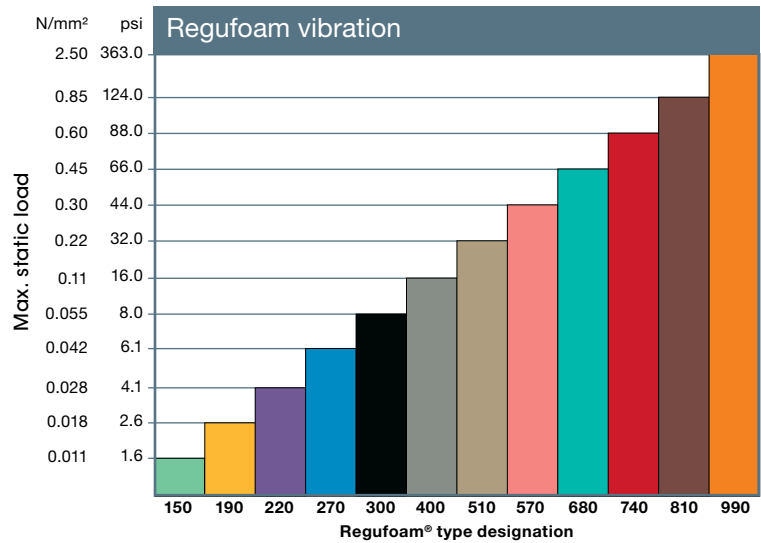


Regufoam Vibration Overview

Regufoam® vibration is a mixed-cell polyurethane foam, developed and engineered for vibration and structure-borne sound isolation. It is available in 12 unique types, each for a specific load range.

Regufoam vibration offers outstanding internal damping and low frequency isolation at minimal deflection. This material comes in standard thicknesses of 25 mm (1") and 12.5 mm (½") and can be installed in multiple layers to achieve total thicknesses of 37.5 mm (1 ½"), 50 mm (2") or more.

Supplied dimensions:
 Rolls, each 59" x 16.4' (1,500 x 5,000 mm)
 Sheets, each 59" x 3.3' (1,500 x 1,000 mm)



Regufoam vibration		150 plus	190 plus	220 plus	270 plus	300 plus	400 plus	510 plus	570 plus	680 plus	740 plus	810 plus	990 plus
Color		Green	Yellow	Purple	Blue	Black	Grey	Beige	Rose	Turquoise	Red	Brown	Orange
Max. static load	psi	1.6	2.6	4.1	6.1	8.0	16.0	32.0	44.0	66.0	88.0	124.0	363.0
	N/mm²	0.011	0.018	0.028	0.042	0.055	0.11	0.22	0.30	0.45	0.60	0.85	2.50
Optimum load range	psi	0.6 to 1.6	1.6 to 2.6	2.6 to 4.1	4.1 to 6.1	6.1 to 8.0	8.0 to 16.0	16.0 to 32.0	32.0 to 44.0	44.0 to 66.0	66.0 to 88.0	88.0 to 124.0	124.0 to 363.0
	N/mm²	0.31 to 0.4	0.4 to 0.5	0.5 to 0.9	0.9 to 1.2	1.2 to 1.5	1.5 to 2.4	2.4 to 2.9	2.9 to 3.6	3.6 to 4.0	4.0 to 4.6	4.6 to 6.9	6.9 to 10.08
Tensile strength ¹	psi	45.0	58.0	72.5	130.5	174.0	217.6	348.1	420.6	522.1	580.2	667.2	1,000.8
	N/mm²	0.31	0.4	0.5	0.9	1.2	1.5	2.4	2.9	3.6	4.0	4.6	6.9
Mechanical loss factor ²		0.28	0.25	0.22	0.20	0.18	0.17	0.15	0.14	0.12	0.11	0.10	0.09
Static modulus of elasticity ³	psi	8.7 to 23.2	14.5 to 36.3	21.8 to 50.8	36.3 to 65.3	50.8 to 84.1	87.0 to 145.0	159.5 to 246.6	377.1 to 420.6	290.1 to 420.6	623.7 to 855.7	783.2 to 1,160.0	2,901 to 11,313
	N/mm²	0.31 to 0.4	0.4 to 0.5	0.5 to 0.9	0.9 to 1.2	1.2 to 1.5	1.5 to 2.4	2.4 to 2.9	2.9 to 3.6	3.6 to 4.0	4.0 to 4.6	4.6 to 6.9	6.9 to 10.08
Dynamic modulus of elasticity ⁴	psi	21.8 to 55.1	36.3 to 79.8	50.8 to 104.4	87.0 to 152.3	98.6 to 181	174 to 290	319 to 537	769 to 943	1,015 to 1,450	1,291 to 1,886	1,595 to 2,393	5,947 to 23,206
	N/mm²	0.31 to 0.4	0.4 to 0.5	0.5 to 0.9	0.9 to 1.2	1.2 to 1.5	1.5 to 2.4	2.4 to 2.9	2.9 to 3.6	3.6 to 4.0	4.0 to 4.6	4.6 to 6.9	6.9 to 10.08
Compression hardness ⁵	kPa	14	22	22	63	82	170	330	620	840	1,050	1,241	3,640

1 Measurement based on DIN EN ISO 1798
 2 Measurement based on DIN 53513; load-, amplitude- and frequency-dependent.
 3 Measurement based on an EN 826.
 4 Measurement based on DIN 53513; depending on frequency, load and thickness.
 5 Measurement based on DIN EN ISO 3386-2; compressive stress at 25 % deformation, depending on thickness.

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