

structural core foam

technical data sheet – typical values

Foam			M040	M048	M060	M080	M100	M130	M200	M250	H060	H080	H100	H130
Density	ISO 845 (min)	Kg/m³	40 (35)	48 (43)	60 (54)	80 (72)	100 (90)	130 (120)	200 (180)	250 (225)	60 (54)	80 (72)	100 (90)	130 (120)
Compressive strength	ISO 844:2014 B	MPa	0,52	0,62	0,98	1,60	2,05	3,22	5,07	6,88	1,01	1,63	2,40	2,94
Compressive modulus	ISO 844:2014 B	MPa	37	44	67	97	121	183	300	384	65	96	160	207
Shear strength	ISO 1922	MPa	0,47	0,52	0,79	1,20	1,48	2,44	3,44	4,37	0,86	1,26	1,73	2,32
Shear modulus	ISO 1922	MPa	15	16	21	30	36	55	77	98	21	29	46	59
Shear elongation at break	ISO 1922	%	6	7	18	19	25	32	35	35	29	32	29	24
Tensile strength	ASTM D 1623	MPa	0,71	0,98	1,82	2,74	3,18	4,35	6,26	7,19	1,98	2,84	3,23	3,85
Tensile modulus	ASTM D 1623	MPa	68	71	100	146	162	227	358	439	97	138	133	166
HDT	DIN 53424	°C	100	115	125	125	125	125	N/A	N/A	135	135	N/A	N/A
Standard block dimensions		mm	1330 2850 84	1270 2730 80	1150 2450 78	1020 2180 72	950 2050 68	850 1900 58	750 1600 48	700 1500 47	1120 2400 78	1005 2150 75	940 2030 65	850 1900 58

No warranty is made on the basis of these data. Customers have to verify the data needed for the specific application, performing the necessary tests on the product.
Maricell may update the data of this report. Please check the last version.