

PVC ESPANSO RETICOLATO A CELLULE POLIEDRICHE CHIUSE

structural core foam

Foam			MC040	MC048	MC060	MC080	MC100	MC130	MC200	MC060ET	MC080ET
Density	ISO 845	kg/m ³	40	48	60	80	100	130	200	60	80
Compressive strength	ISO 844	MPa	0,46	0,61	1,00	1,44	2,00	2,79	5,19	0,94	1,48
Compressive modulus	ISO 844	MPa	36	32	50	80	82	160	275	69	101
Tensile strength	ISO 527-2	MPa	0,71	1,10	1,60	2,02	2,71	3,79	5,95	1,39	1,99
Tensile modulus	ISO 527-2	MPa	27	43	65	65	83	109	1,73	37	59
Shear strength	ISO 1922	MPa	0,46	0,48	0,73	1,21	1,64	2,29	3,48	0,94	1,29
Shear modulus	ASTM C393	MPa	12	13,6	18	31	39	53	74	21,4	29
Shear elongation at break	ISO 1922	%	9	9	15	22	26	29	29	24	31
Thermal conductivity at room temperature	ISO 8301	W/mK	0,031	0,031	0,031	0,033	0,035	0,039	0,048	0,031	0,036
Water absorption		%	1	1	1	1	1	1	1	1	1
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	1120 2400 78	1005 2150 75
Colour			azure	lilac	yellow	green	red	blue	hazel brown	pink	hazel brown

Classe di reazione al fuoco RF2/75/A RF3/77 DM 26.06.1984 II

The reported data, derived from laboratory test, shall not be taken as minimum guaranteed values. They refer to the nominal density. They are believed to be correct.

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.

No warranty is released for any particular application. Mates italiana may update the data of this report. Check the last version.