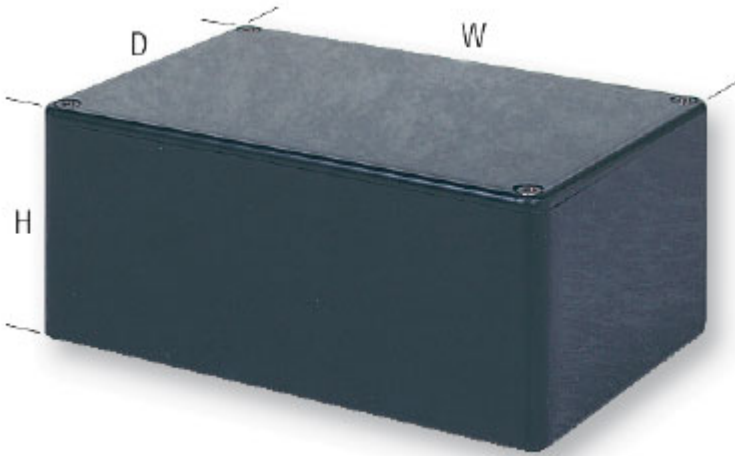


# Multipurpose Boxes with Lids

## ABS



### Multipurpose Boxes with Lids

These boxes are moulded in ABS to give maximum strength but can be easily punched or drilled for individual requirements and to produce a professional looking end product. They are available in black, white and light grey. MB2, MB3, MB5 and MB8 have polished finish

Printed circuit board slots are provided on certain types to allow ease of manufacture

- Wide range of multipurpose boxes
- Integral PCB guides (except MB6, MB6W and MB6G)
- Lid retained by M3.5 screws into brass inserts
- Employ high-performance ferrites with superior frequency characteristics
- CMB4, MB6 and MB7 have matt finish
- MB4 and MB6 lids retained by 6 × 4 BA screws into brass inserts

### Dimension Table

Overall Dimensions						Black Part Number	White Part Number	Grey Part Number
Width (W)	Depth (D)	Height (H)	Nominal Wall Thickness	Rib Spacing Side (W)	Rib Spacing Side (D)			
100	76	41	1.5	20	20	-	MB2W	-
118	98	45		23	33	-	MB3W	-
216	130	85	4	20	20	-	MB4W	MB4G
150	100	60	2.5		32	MB5	MB5W	MB5G
220	150	64	3	-	-	MB6	MB6W	MB6G
177	120	83	2.5	23	40	-	MB7W	MB7G
150	80	50		20	23	MB8	MB8W	MB8G

Dimensions : Millimetres

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### Material Data

ABS material - Ronfalin 103 grade

Properties	Unit	Test Methods	
		ISO	DIN
<b>Mechanical Properties</b>			
	$\text{kJ / m}^2$	-	-
Charpy notched impact strength at +23 °C at -20 °C	10 7	179/2c	53453
		-	-
		-	-
Izod notched impact strength at +23 °C (thickness 6.4 mm) at -20 °C (thickness 6.4 mm)	$\text{kJ / m}^2$ 17 9	180/3A	-
		-	-
		-	-
Tensile test Tensile strength at yield Elongation at yield	$\text{N / mm}^2$ 49 4	R527/1C	53455-3-5
		-	-
		-	-
Flexural test Flexural strength Modulus in flexure	$\text{N / mm}^2$ 87 2,400	178B	-
		-	53452
		-	-
Surface hardness Rockwell hardness Ball indentation hardness	R scale 110 90	-	-
		2039/2	-
		2039/1	53456
<b>Thermal Properties</b>			
	°C	75/A	53461/A
HDT Unannealed Annealed	90 97	-	-
		-	-
		-	-
Vicat softening temperature Flammability properties	97 94HB (1.5 mm)	306/B50	53460
		UL94	-
<b>Physical Properties</b>			
	$\text{kg / m}^3$	-	-
Density	1,050	1183/A	53479
Melt flow index	13	1133/19	53735/U
Gloss	59	-	67530
Processing temperatures	200 to 230 °C	-	-