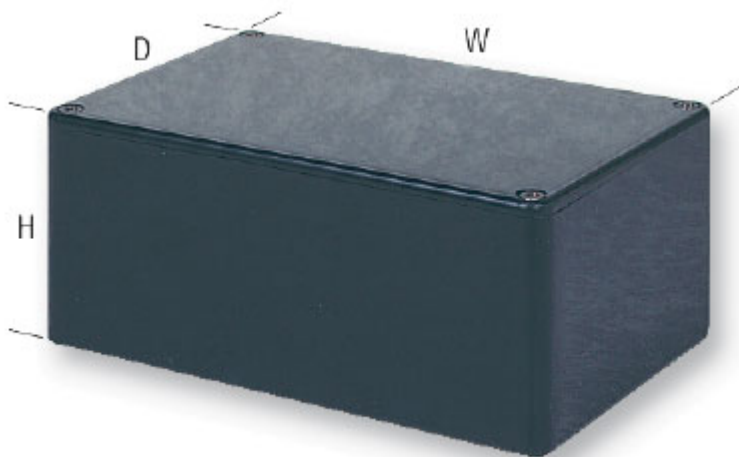


# Multipurpose Boxes with Lids



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

# Multipurpose Boxes with Lids



## ABS

### Part Number Explanation:

**MB2**

**W**



- Type** : MB2, MB3, MB4, MB5, MB6, MB7 and MB8  
**Colours** : Blank = Black, W = White and G = Grey

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