

# MATERIAL DECLARATION SHEET

**BOURNS®**

|                 |                                  |                                                                                     |
|-----------------|----------------------------------|-------------------------------------------------------------------------------------|
| Material Number | MF-MSMF/X Series                 |  |
| Product Line    | Multifuse® PPTC Resettable Fuses |                                                                                     |
| Compliance Date | Jul 10, 2025                     |                                                                                     |
| RoHS Compliant  | Yes                              |                                                                                     |

| No.          | Construction Element(subpart) | Homogeneous Material | Material weight [g] | Homogeneous Material\ Substances | CASRN if applicable | Materials Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|--------------|-------------------------------|----------------------|---------------------|----------------------------------|---------------------|------------------|-----------------------------------|-------------------------------|
| 1            | Plaque                        | Polyethylene         | 0.001209            | Polyethylene                     | 9002-88-4           | 100              | 6.586                             | 6.586                         |
| 2            | Plaque                        | Carbon black         | 0.001347            | Carbon black                     | 1333-86-4           | 100              | 7.336                             | 7.336                         |
| 3            | Plaque                        | Foil                 | 0.011014            | Copper                           | 7440-50-8           | 100              | 59.984                            | 59.984                        |
| 4            | Plaque                        | Plating on foil      | 0.000580            | Nickel                           | 7440-02-0           | 100              | 3.158                             | 3.158                         |
| 5            | Prepreg                       | Epoxy                | 0.002197            | Epoxy                            | 35948-25-5          | 65               | 7.18                              | 11.966                        |
| 6            |                               |                      |                     | Glass fiber                      | 65997-17-3          | 35               | 4.786                             |                               |
| 7            | PCB foil                      | Copper               | 0.000933            | Copper                           | 7440-50-8           | 100              | 5.082                             | 5.082                         |
| 8            | Copper plating                | Copper               | 0.001042            | Copper                           | 7440-50-8           | 100              | 5.677                             | 5.677                         |
| 9            | Solder plating                | Nickel under plating | 0.000038            | Nickel                           | 7440-02-0           | 100              | 0.208                             | 0.208                         |
| 10           | Solder plating                | Gold finish plating  | 0.000001            | Gold                             | 7440-57-5           | 100              | 0.003                             | 0.003                         |
| Total weight |                               |                      | 0.018361            |                                  |                     |                  |                                   |                               |

**This Document was updated on: Jul 10, 2025**

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.