

| External_Type   | Material_Group  | Substances   | CAS_Number | Mass             | Mass_Percentage_in_Leaf | Massmg            |
|-----------------|-----------------|--|------------|------------------|-------------------------|-------------------|
| Die Attach      | Lead alloy      | Tin (Sn)   | 7440-31-5  | 0.00185          | 5.0                     | 0.02631           |
|                 | Lead alloy      | Silver (Ag)  | 7440-22-4  | 0.00092          | 2.5                     | 0.01315           |
|                 | Lead alloy      | Lead (Pb)  | 7439-92-1  | 0.03415          | 92.5                    | 0.48673           |
| <b>Subtotal</b> |                 |  |            | <b>0.03692</b>   | <b>100</b>              | <b>0.52619</b>    |
| Die             | Doped Silicon   | Silicon (Si)   | 7440-21-3  | 0.18945          | 100.0                   | 2.7               |
|                 |                 |  |            |                  |                         |                   |
| Post-plating    | Pure Metal      | Tin (Sn)   | 7440-31-5  | 1.75417          | 100.0                   | 25                |
|                 |                 |  |            |                  |                         |                   |
| Lead Frame      | Copper alloy    | Phosphorous (P)  | 7723-14-0  | 0.02332          | 0.04                    | 0.3324            |
|                 | Copper alloy    | Iron (Fe)  | 7439-89-6  | 0.05831          | 0.1                     | 0.831             |
|                 | Copper alloy    | Copper (Cu)  | 7440-50-8  | 58.22695         | 99.86                   | 829.8366          |
| <b>Subtotal</b> |                 |  |            | <b>58.30858</b>  | <b>100</b>              | <b>831</b>        |
| Mould Compound  | Polymer         | Phenol Formaldehyde resin (generic)                    | 9003-35-4  | 3.43379          | 8.7                     | 48.9375           |
|                 | Polymer         | Epichlorohydrin/Diethyleneglycol Epoxy resin (generic) | 25928-94-3 | 6.31501          | 16.0                    | 90                |
|                 | Filler          | Silica fused   | 60676-86-0 | 29.6016          | 75.0                    | 421.875           |
|                 | Carbon Black    | Carbon black   | 1333-86-4  | 0.11841          | 0.3                     | 1.6875            |
|                 | <b>Subtotal</b> |  |            |                  | <b>39.46881</b>         | <b>100</b>        |
| Wire            | Pure metal      | Aluminium (Al)   | 7429-90-5  | 0.24208          | 100.0                   | 3.45              |
|                 |                 |  |            |                  |                         |                   |
| <b>Total</b>    |                 |  |            | <b>100.00001</b> | <b>100</b>              | <b>1425.17619</b> |

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