

| External_Type | Material_Group | Substances | CAS_Number | Mass | Mass_Percentage_in_Leaf | Massmg |
|-----------------|----------------|--|------------|-----------------|-------------------------|------------------|
| Die | Doped silicon | Silicon (Si) | 7440-21-3 | 0.33379 | 100.0 | 4.8 |
| Subtotal | | | | 0.33379 | 100 | 4.8 |
| Wire | Pure metal | Aluminium (Al) | 7429-90-5 | 0.01037 | 100.0 | 0.1491 |
| | Pure metal | Aluminium (Al) | 7429-90-5 | 0.16272 | 100.0 | 2.34 |
| Subtotal | | | | 0.17309 | 200 | 2.4891 |
| Post-plating | Pure Metal | Tin (Sn) | 7440-31-5 | 1.73848 | 100.0 | 25 |
| Subtotal | | | | 1.73848 | 100 | 25 |
| Lead Frame | Copper alloy | Phosphorous (P) | 7723-14-0 | 0.02337 | 0.04 | 0.336 |
| | Copper alloy | Iron (Fe) | 7439-89-6 | 0.05841 | 0.1 | 0.84 |
| | Copper alloy | Copper (Cu) | 7440-50-8 | 58.3311 | 99.86 | 838.824 |
| Subtotal | | | | 58.41288 | 100 | 840 |
| Mould Compound | Polymer | Phenol Formaldehyde resin (generic) | 9003-35-4 | 3.40307 | 8.7 | 48.9375 |
| | Polymer | Epichlorohydrin/Diethyleneglycol Epoxy resin (generic) | 25928-94-3 | 6.25852 | 16.0 | 90 |
| | Filler | Silica fused | 60676-86-0 | 29.33682 | 75.0 | 421.875 |
| | Carbon Black | Carbon black | 1333-86-4 | 0.11735 | 0.3 | 1.6875 |
| Subtotal | | | | 39.11576 | 100 | 562.5 |
| Die Attach | Lead alloy | Tin (Sn) | 7440-31-5 | 0.0113 | 5.0 | 0.1625 |
| | Lead alloy | Silver (Ag) | 7440-22-4 | 0.00565 | 2.5 | 0.08125 |
| | Lead alloy | Lead (Pb) | 7439-92-1 | 0.20905 | 92.5 | 3.00625 |
| Subtotal | | | | 0.226 | 100 | 3.25 |
| Total | | | | 100 | 100 | 1438.0391 |

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