

External_Type	Material_Group	Substances	CAS_Number	Mass	Mass_Percentage_in_Leaf	Massmg
Die	Metal oxide	Lead Dioxide (PbO2)	1309-60-0	0.00313	0.41	0.03362
	Doped silicon	Silicon (Si)	7440-21-3	0.75986	99.59	8.16638
<b>Subtotal</b>				<b>0.76299</b>	<b>100</b>	<b>8.2</b>
Lead Frame	Copper alloy	Phosphorous (P)	7723-14-0	0.03731	0.1	0.401
	Copper alloy	Nickel (Ni) - cas no. 7440-02-0	7440-02-0	0.01119	0.03	0.1203
	Copper alloy	Iron (Fe)	7439-89-6	0.03731	0.1	0.401
	Copper alloy	Copper (Cu)	7440-50-8	37.22619	99.77	400.0777
<b>Subtotal</b>				<b>37.312</b>	<b>100</b>	<b>401</b>
Mould Compound	Polymer	Phenol Formaldehyde resin (generic)	9003-35-4	2.82715	4.8	30.384
	Polymer	Epichlorohydrin/Diethyleneglycol Epoxy resin (generic)	25928-94-3	5.8899	10.0	63.3
	Filler	Silica fused	60676-86-0	50.06415	85.0	538.05
	Carbon Black	Carbon black	1333-86-4	0.1178	0.2	1.266
<b>Subtotal</b>				<b>58.899</b>	<b>100</b>	<b>633</b>
Post-plating	Pure metal	Tin (Sn)	7440-31-5	2.32619	100.0	25
<b>Subtotal</b>				<b>2.32619</b>	<b>100</b>	<b>25</b>
Die Attach	Lead alloy	Tin (Sn)	7440-31-5	0.0102	2.0	0.1096
	Lead alloy	Silver (Ag)	7440-22-4	0.01275	2.5	0.137
	Lead alloy	Lead (Pb)	7439-92-1	0.48695	95.5	5.2334
<b>Subtotal</b>				<b>0.5099</b>	<b>100</b>	<b>5.48</b>
Wire	Pure metal	Aluminium (Al)	7429-90-5	0.18991	100.0	2.04105
<b>Subtotal</b>				<b>0.18991</b>	<b>100</b>	<b>2.04105</b>
<b>Total</b>				<b>99.99999</b>	<b>100</b>	<b>1074.72105</b>

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