

External_Type	Material_Group	Substances	CAS_Number	Mass	Mass_Percentage_in_Leaf	Massmg
Wire	Pure metal	Aluminium (Al)	7429-90-5	0.19995	100.0	4.20829
Subtotal				0.19995	100	4.20829
Die	Doped silicon	Silicon (Si)	7440-21-3	0.45137	100.0	9.5
Subtotal				0.45137	100	9.5
Solder Wire	Tin alloy	Tin (Sn)	7440-31-5	0.0411	10.0	0.865
	Silver alloy	Silver (Ag)	7440-22-4	0.00822	2.0	0.173
	Lead alloy	Lead (Pb)	7439-92-1	0.36167	88.0	7.612
Subtotal				0.41099	100	8.65
Wire	Pure metal	Aluminium (Al)	7429-90-5	0.06529	100.0	1.37413
Subtotal				0.06529	100	1.37413
Lead Frame	Copper alloy	Phosphorous (P)	7723-14-0	0.00698	0.03	0.14694
	Pure metal layer	Zinc (Zn)	7440-66-6	0.00465	0.02	0.09796
	Pure metal layer	Tin (Sn)	7440-31-5	0.00698	0.03	0.14694
	Pure metal layer	Iron (Fe)	7439-89-6	0.0256	0.11	0.53877
	Pure metal layer	Copper (Cu)	7440-50-8	23.22715	99.81	488.8594
Subtotal				23.27136	100	489.79001
Post-plating	Pure metal	Tin (Sn)	7440-31-5	0.2455	100.0	5.167
Subtotal				0.2455	100	5.167
Mould Compound	Polymer	Tetrabromobisphenol A/Epichlorohydrin polymer	40039-93-8	2.26067	3.0	47.58
	Polymer	Phenol Formaldehyde resin (generic)	9003-35-4	4.52133	6.0	95.16
	Polymer	Epichlorohydrin/o-Cresol/Formaldehyde polymer (generic)	29690-82-2	7.53555	10.0	158.6
	Carbon Black	Carbon black	1333-86-4	0.37678	0.5	7.93
	Filler	Misc. Silica compounds (generic)	14808-60-7	58.77732	78.0	1237.08
	Flame retardant	Antimony Trioxide (Sb2O3) - cas no. 1309-64-4	1309-64-4	1.88389	2.5	39.65
Subtotal				75.35554	100	1586
Total				100	100	2104.68943

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