

External_Type	Material_Group	Substances	CAS_Number	Mass	Mass_Percentage_in_Leaf	Massmg
Die Attach	Lead alloy	Tin (Sn)	7440-31-5	0.01516	2.0	0.164
	Lead alloy	Silver (Ag)	7440-22-4	0.01895	2.5	0.205
	Lead alloy	Lead (Pb)	7439-92-1	0.72375	95.5	7.831
	Subtotal			0.75786	100	8.2
Die		Lead Dioxide (PbO2)	1309-60-0	0.0061	0.66	0.066
	Doped silicon	Silicon (Si)	7440-21-3	0.91811	99.34	9.934
Subtotal			0.92421	100	10	
Lead Frame	Copper alloy	Phosphorous (P)	7723-14-0	0.03706	0.1	0.401
	Copper alloy	Nickel (Ni) - cas no. 7440-02-0	7440-02-0	0.01112	0.03	0.1203
	Copper alloy	Iron (Fe)	7439-89-6	0.03706	0.1	0.401
	Copper alloy	Copper (Cu)	7440-50-8	36.97576	99.77	400.0777
Subtotal			37.061	100	401	
Mould Compound	Polymer	Phenol Formaldehyde resin (generic)	9003-35-4	2.80813	4.8	30.384
	Polymer	Epichlorohydrin/Diethyleneglycol Epoxy resin (generic)	25928-94-3	5.85028	10.0	63.3
	Filler	Silica fused	60676-86-0	49.72736	85.0	538.05
	Carbon Black	Carbon black	1333-86-4	0.11701	0.2	1.266
Subtotal			58.50278	100	633	
Post-plating	Pure metal	Tin (Sn)	7440-31-5	2.31054	100.0	25
Subtotal			2.31054	100	25	
Wire	Pure metal	Aluminium (Al)	7429-90-5	0.44362	100.0	4.8
Subtotal			0.44362	100	4.8	
Total			100.00001	100	1082	

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