

External_Type	Material_Group	Substances	CAS_Number	Mass	Mass_Percentage_in_Leaf	Massmg
Die	Metal oxide	Lead Dioxide (PbO2)	1309-60-0	0.01	1.35	0.04
	Doped silicon	Silicon (Si)	7440-21-3	0.9	98.65	3.06
Subtotal				0.91	100	3.1
Wire	Pure metal	Aluminium (Al)	7429-90-5	0.23	100.0	0.78
	Subtotal				0.23	100
Post-plating	Pure metal	Tin (Sn)	7440-31-5	3.52	100.0	12
	Subtotal				3.52	100
Lead Frame	Copper alloy	Phosphorous (P)	7723-14-0	0.02	0.03	0.05
	Copper alloy	Nickel (Ni) - cas no. 7440-02-0	7440-02-0	0.02	0.03	0.05
	Copper alloy	Iron (Fe)	7439-89-6	0.05	0.1	0.17
	Copper alloy	Copper (Cu)	7440-50-8	50.99	99.84	173.92
Subtotal				51.08	100	174.19
Mould Compound	Polymer	Phenol Formaldehyde resin (generic)	9003-35-4	2.63	6.0	8.96
	Polymer	Epichlorohydrin/Diethyleneglycol Epoxy resin (generic)	25928-94-3	3.06	7.0	10.45
	Filler	Silica fused	60676-86-0	37.64	86.0	128.4
	Carbon Black	Carbon black	1333-86-4	0.44	1.0	1.49
Subtotal				43.77	100	149.3
Die Attach	Lead alloy	Tin (Sn)	7440-31-5	0.01	2.0	0.03
	Lead alloy	Silver (Ag)	7440-22-4	0.01	2.5	0.04
	Lead alloy	Lead (Pb)	7439-92-1	0.49	95.5	1.66
Subtotal				0.51	100	1.73
Total				100.02	100	341.1

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