

External_Type	Material_Group	Substances	CAS_Number	Mass	Mass_Percentage_in_Leaf	Massmg
Clip Frame	Copper alloy	Phosphorous (P)	7723-14-0	0.00391	0.04	0.00784
	Copper alloy	Iron (Fe)	7439-89-6	0.00977	0.1	0.01959
	Copper alloy	Copper (Cu)	7440-50-8	9.75982	99.86	19.56257
			Subtotal	9.7735	100	19.59
Post-plating	Pure Metal	Tin (Sn)	7440-31-5	1.0477	100.0	2.1
			Subtotal	1.0477	100	2.1
Mould Compound	Polymer	Phenol Formaldehyde resin (generic)	9003-35-4	4.19078	8.0	8.4
	Polymer	Epichlorohydrin/Diethyleneglycol Epoxy resin (generic)	25928-94-3	4.60986	8.8	9.24
	Filler	Silica fused	60676-86-0	43.47935	83.0	87.15
	Carbon Black	Carbon black	1333-86-4	0.10477	0.2	0.21
			Subtotal	52.38476	100	105
Lead Frame	Copper alloy	Phosphorous (P)	7723-14-0	0.01375	0.04	0.02756
	Copper alloy	Iron (Fe)	7439-89-6	0.03437	0.1	0.0689
	Copper alloy	Copper (Cu)	7440-50-8	34.32625	99.86	68.80354
			Subtotal	34.37437	100	68.9
Die	Metal oxide	Lead Dioxide (PbO2)	1309-60-0	0.01473	1.22	0.02952
	Doped Silicon	Silicon (Si)	7440-21-3	1.20734	100.0	2.42
			Subtotal	1.22207	101.22	2.44952
Die Attach	Lead alloy	Tin (Sn)	7440-31-5	0.06062	5.0	0.1215
	Lead alloy	Silver (Ag)	7440-22-4	0.03031	2.5	0.06075
	Lead alloy	Lead (Pb)	7439-92-1	1.12141	92.5	2.24775
			Subtotal	1.21234	100	2.43
			Total	100.01474	100	200.46952

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