

External_Type	Material_Group	Substances	CAS_Number	Mass	Mass_Percentage_in_Leaf	Massmg
Die	Doped gallium arsenide	Silicon (Si)	7440-21-3	1.17	100.0	4
			Subtotal	1.17	100	4
Post-plating	Pure metal	Tin (Sn)	7440-31-5	3.51	100.0	12
			Subtotal	3.51	100	12
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	50.89	99.84	173.92
			Subtotal	50.98	100	174.19
Mould Compound	Polymer	Phenol Formaldehyde resin (generic)	9003-35-4	2.62	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	37.57	86.0	128.4
	Carbon Black	Carbon black	1333-86-4	0.44	1.0	1.49
			Subtotal	43.69	100	149.3
Wire	Pure metal	Aluminium (Al)	7429-90-5	0.08	100.0	0.27
			Subtotal	0.08	100	0.27
Die Attach	Lead alloy	Tin (Sn)	7440-31-5	0.01	2.0	0.04
	Lead alloy	Silver (Ag)	7440-22-4	0.01	2.5	0.05
	Lead alloy	Lead (Pb)	7439-92-1	0.56	95.5	1.91
			Subtotal	0.58	100	2
			Total	100.01	100	341.76

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