

External_Type	Material_Group	Substances	CAS_Number	Mass	Mass_Percentage_in_Leaf	Massmg	
Die	Doped silicon	Silicon (Si)	7440-21-3	0.19802	100.0	0.45	
Subtotal				0.19802	100	0.45	
Post-plating	Tin solder	Bismuth (Bi)	7440-69-9	0	0.0	0	
	Tin solder	Tin (Sn)	7440-31-5	1.6192	99.99	3.67963	
	Tin solder	Copper (Cu)	7440-50-8	0	0.0	0	
	Tin solder	Lead (Pb)	7439-92-1	0.00016	0.01	0.00037	
	Tin solder	Antimony (Sb)	7440-36-0	0	0.0	0	
	Subtotal				1.61936	100	3.68
Lead Frame	Copper alloy	Misc. Phosphor compounds (generic)	7723-14-0	0.0079	0.02	0.01794	
	Copper alloy	Iron (Fe)	7439-89-6	0.03158	0.08	0.07178	
	Copper alloy	Copper (Cu)	7440-50-8	39.36231	99.7	89.45084	
	Pure metal layer	Silver (Ag)	7440-22-4	0.07896	0.2	0.17944	
	Subtotal				39.48075	100	89.72
Adhesive	Polymer	Paraffin wax	8002-74-2	0.22002	20.0	0.5	
	Polymer	Epoxy resin system		0.08801	8.0	0.2	
	Filler	Silver (Ag)	7440-22-4	0.79208	72.0	1.8	
	Subtotal				1.10011	100	2.5
Mould Compound	Polymer	Tetrabromobisphenol A/Epichlorohydrin polymer	40039-93-8	1.43971	2.5	3.27175	
	Polymer	Phenol Formaldehyde resin (generic)	9003-35-4	4.31914	7.5	9.81525	
	Filler	Silica -amorphous-	7631-86-9	21.30777	37.0	48.4219	
	Pigment	Carbon black	1333-86-4	0.28794	0.5	0.65435	
	Polymer	Epoxy resin system		8.63828	15.0	19.6305	
	Filler	Silicon Dioxide (SiO2)	14808-60-7	21.30777	37.0	48.4219	
	Flame retardant	Antimony Trioxide (Sb2O3) - cas no. 1309-64-4	1309-64-4	0.28794	0.5	0.65435	
	Subtotal				57.58855	100	130.87
Wire	Pure metal	Copper (Cu)	7440-50-8	0.0132	100.0	0.03	
	Subtotal				0.0132	100	0.03
	Total				99.99999	100	227.25

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