

External_Type	Material_Group	Substances	CAS_Number	Mass	Mass_Percentage_in_Leaf	Massmg	
Die	Doped Silicon	Silicon (Si)	7440-21-3	2.42	100.0	8.48	
				Subtotal	2.42	100	8.48
Wire	Pure metal	Aluminium (Al)	7429-90-5	0.33	100.0	1.14	
				Subtotal	0.33	100	1.14
Die Attach	Lead alloy	Tin (Sn)	7440-31-5	0.03	2.0	0.11	
	Lead alloy	Silver (Ag)	7440-22-4	0.04	2.5	0.13	
	Lead alloy	Lead (Pb)	7439-92-1	1.46	95.5	5.13	
				Subtotal	1.53	100	5.37
Post-plating	Pure metal	Tin (Sn)	7440-31-5	3.42	100.0	12	
				Subtotal	3.42	100	12
Lead Frame	Copper alloy	Phosphorous (P)	7723-14-0	0.01	0.03	0.05	
	Copper alloy	Nickel (Ni) - cas no. 7440-02-0	7440-02-0	0.01	0.03	0.05	
	Copper alloy	Iron (Fe)	7439-89-6	0.05	0.1	0.17	
	Copper alloy	Copper (Cu)	7440-50-8	49.62	99.84	173.92	
				Subtotal	49.69	100	174.19
Mould Compound	Polymer	Phenol Formaldehyde resin (generic)	9003-35-4	2.56	6.0	8.96	
	Polymer	Epichlorohydrin/Diethyleneglycol Epoxy resin (generic)	25928-94-3	2.98	7.0	10.45	
	Filler	Silica fused	60676-86-0	36.63	86.0	128.4	
	Carbon Black	Carbon black	1333-86-4	0.43	1.0	1.49	
				Subtotal	42.6	100	149.3
				Total	99.99	100	350.48

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