

External_Type	Material_Group	Substances	CAS_Number	Mass	Mass_Percentage_in_Leaf	Massmg
Die	Doped silicon	Silicon (Si)	7440-21-3	0.44903	100.0	4.8
			Subtotal	0.44903	100	4.8
Die Attach	Lead alloy	Tin (Sn)	7440-31-5	0.00515	2.0	0.055
	Lead alloy	Silver (Ag)	7440-22-4	0.00643	2.5	0.06875
	Lead alloy	Lead (Pb)	7439-92-1	0.24568	95.5	2.62625
			Subtotal	0.25726	100	2.75
Wire	Pure metal	Aluminium (Al)	7429-90-5	0.01395	100.0	0.1491
			Subtotal	0.01395	100	0.1491
Lead Frame	Copper alloy	Phosphorous (P)	7723-14-0	0.03751	0.1	0.401
	Copper alloy	Nickel (Ni) - cas no. 7440-02-0	7440-02-0	0.01125	0.03	0.1203
	Copper alloy	Iron (Fe)	7439-89-6	0.03751	0.1	0.401
	Copper alloy	Copper (Cu)	7440-50-8	37.42615	99.77	400.0777
			Subtotal	37.51242	100	401
Mould Compound	Polymer	Phenol Formaldehyde resin (generic)	9003-35-4	2.84234	4.8	30.384
	Polymer	Epichlorohydrin/Diethyleneglycol Epoxy resin (generic)	25928-94-3	5.92154	10.0	63.3
	Filler	Silica fused	60676-86-0	50.33307	85.0	538.05
	Carbon Black	Carbon black	1333-86-4	0.11843	0.2	1.266
			Subtotal	59.21538	100	633
Post-plating	Pure metal	Tin (Sn)	7440-31-5	2.33868	100.0	25
			Subtotal	2.33868	100	25
Wire	Pure metal	Aluminium (Al)	7429-90-5	0.21329	100.0	2.28
			Subtotal	0.21329	100	2.28
			Total	100.00001	100	1068.9791

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