

External_Type	Material_Group	Substances	CAS_Number	Mass	Mass_Percentage_in_Leaf	Massmg
Die	Doped silicon	Silicon (Si)	7440-21-3	0.67845	100.0	9.8
			Subtotal	0.67845	100	9.8
Wire	Pure metal	Aluminium (Al)	7429-90-5	0.15784	100.0	2.28
			Subtotal	0.15784	100	2.28
Post-plating	Pure Metal	Tin (Sn)	7440-31-5	1.73073	100.0	25
			Subtotal	1.73073	100	25
Lead Frame	Copper alloy	Phosphorous (P)	7723-14-0	0.02326	0.04	0.336
	Copper alloy	Iron (Fe)	7439-89-6	0.05815	0.1	0.84
	Copper alloy	Copper (Cu)	7440-50-8	58.07104	99.86	838.824
			Subtotal	58.15245	100	840
Mould Compound	Polymer	Phenol Formaldehyde resin (generic)	9003-35-4	3.3879	8.7	48.9375
	Polymer	Epichlorohydrin/Diethyleneglycol Epoxy resin (generic)	25928-94-3	6.23062	16.0	90
	Filler	Silica fused	60676-86-0	29.20603	75.0	421.875
	Carbon Black	Carbon black	1333-86-4	0.11682	0.3	1.6875
			Subtotal	38.94137	100	562.5
Wire	Pure metal	Aluminium (Al)	7429-90-5	0.01032	100.0	0.1491
			Subtotal	0.01032	100	0.1491
Die Attach	Lead alloy	Tin (Sn)	7440-31-5	0.01644	5.0	0.2375
	Lead alloy	Silver (Ag)	7440-22-4	0.00822	2.5	0.11875
	Lead alloy	Lead (Pb)	7439-92-1	0.30418	92.5	4.39375
			Subtotal	0.32884	100	4.75
			Total	100	100	1444.4791

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