

External_Type	Material_Group	Substances	CAS_Number	Mass	Mass_Percentage_in_Leaf	Massmg
Die	Metal oxide	Lead Dioxide (PbO2)	1309-60-0	2.33	6.5	0.05
	Doped Silicon	Silicon (Si)	7440-21-3	35.87	100.0	0.8
Subtotal				38.2	106.5	0.85
Clip Frame	Copper alloy	Phosphorous (P)	7723-14-0	0	0.03	0
	Copper alloy	Iron (Fe)	7439-89-6	0	0.1	0
	Copper alloy	Copper (Cu)	7440-50-8	0	99.87	0
Subtotal				0	100	0
Lead Frame	Copper alloy	Phosphorous (P)	7723-14-0	0	0.03	0
	Copper alloy	Iron (Fe)	7439-89-6	0	0.1	0
	Copper alloy	Copper (Cu)	7440-50-8	0	99.87	0
Subtotal				0	100	0
Mould Compound	Polymer	Phenol Formaldehyde resin (generic)	9003-35-4	0	5.0	0
	Polymer	Epichlorohydrin/o-Cresol/Formaldehyde polymer (generic)	29690-82-2	0	13.0	0
	Filler	Silica fused	60676-86-0	0	76.0	0
	Metal hydroxide	Metal hydroxide		0	5.0	0
	Carbon Black	Carbon black	1333-86-4	0	1.0	0
Subtotal				0	100	0
Post-plating	Pure Metal	Tin (Sn)	7440-31-5	17.94	100.0	0.4
	Subtotal				17.94	100
Die Attach	Lead alloy	Tin (Sn)	7440-31-5	2.31	5.0	0.05
	Lead alloy	Silver (Ag)	7440-22-4	1.15	2.5	0.03
	Lead alloy	Lead (Pb)	7439-92-1	42.72	92.5	0.95
Subtotal				46.18	100	1.03
Total				102.32	100	2.28

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