

External_Type	Material_Group	Substances	CAS_Number	Mass	Mass_Percentage_in_Leaf	Massmg
Wire	Pure metal	Aluminium (Al)	7429-90-5	0.38857	100.0	19.08522
			<b>Subtotal</b>	<b>0.38857</b>	<b>100</b>	<b>19.08522</b>
Die	Doped silicon	Silicon (Si)	7440-21-3	0.43366	100.0	21.3
			<b>Subtotal</b>	<b>0.43366</b>	<b>100</b>	<b>21.3</b>
Solder Paste	Lead alloy	Tin (Sn)	7440-31-5	0.01934	5.0	0.95
	Lead alloy	Lead (Pb)	7439-92-1	0.32881	85.0	16.15
	Lead alloy	Antimony (Sb)	7440-36-0	0.03868	10.0	1.9
			<b>Subtotal</b>	<b>0.38683</b>	<b>100</b>	<b>19</b>
Wire	Pure metal	Aluminium (Al)	7429-90-5	0.00583	100.0	0.28628
			<b>Subtotal</b>	<b>0.00583</b>	<b>100</b>	<b>0.28628</b>
Solder Paste	Pure metal	Tin (Sn)	7440-31-5	0.06006	5.0	2.95
	Pure metal	Silver (Ag)	7440-22-4	0.03003	2.5	1.475
	Pure metal	Lead (Pb)	7439-92-1	1.11113	92.5	54.575
			<b>Subtotal</b>	<b>1.20122</b>	<b>100</b>	<b>59</b>
Isolator	Aluminium alloy	Aluminium Trioxide (Al2O3)	1344-28-1	3.82762	100.0	188
			<b>Subtotal</b>	<b>3.82762</b>	<b>100</b>	<b>188</b>
Lead Frame	Copper alloy	Phosphorous (P)	7723-14-0	0.00513	0.03	0.252
	Copper alloy	Iron (Fe)	7439-89-6	0.01881	0.11	0.924
	Copper alloy	Copper (Cu)	7440-50-8	17.07476	99.84	838.656
	Copper alloy	Silver (Ag)	7440-22-4	0.00342	0.02	0.168
	Copper alloy	Phosphorous (P)	7723-14-0	0.01636	0.03	0.8034
	Copper alloy	Iron (Fe)	7439-89-6	0.05998	0.11	2.9458
	Copper alloy	Copper (Cu)	7440-50-8	54.44686	99.86	2674.2508
			<b>Subtotal</b>	<b>71.62532</b>	<b>200</b>	<b>3518</b>
Post-plating	Pure metal	Tin (Sn)	7440-31-5	0.06108	100.0	3
			<b>Subtotal</b>	<b>0.06108</b>	<b>100</b>	<b>3</b>
Mould Compound	polymer	Tetrabromobisphenol A/Epichlorohydrin polymer	40039-93-8	0.35312	1.6	17.344
	Polymer	Phenol Formaldehyde resin (generic)	9003-35-4	1.43454	6.5	70.46
	Polymer	Epichlorohydrin/Diethyleneglycol Epoxy resin (generic)	25928-94-3	2.86908	13.0	140.92
	Filler	Silica fused	60676-86-0	17.21451	78.0	845.52
	Carbon Black	Carbon black	1333-86-4	0.15449	0.7	7.588
	Flame retardant	Antimony Trioxide (Sb2O3) - cas no. 1309-64-4	1309-64-4	0.04414	0.2	2.168
			<b>Subtotal</b>	<b>22.06988</b>	<b>100</b>	<b>1084</b>
			<b>Total</b>	<b>100.00001</b>	<b>100</b>	<b>4911.6715</b>

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