

Type number	Package	Package description	Total product weight
PMN15ENE	SOT457	SC-74	12.57330 mg

12NC	Version	Pb-free soldering			Pb soldering			Number of processing cycles	Assembly site	RHF-indicator
		MSL	PPT	MPPT	MSL	PPT	MPPT			
934664406115	1	1	260	30 s	1	235	20 s	3	Dongguan, China; D-22529 HAMBURG, Germany; Manchester, United Kingdom	

Subpart	Material group	Substances	CAS number	Mass(mg)	Mass(%) of subpart	Mass(%) of total product
Adhesive	Filler	Silver (Ag)	7440-22-4	0.05236	77.00000	0.41644
		Polymer	Resin system	Proprietary	0.01564	23.00000
			subTotal		0.06800	100.00000
Die	Doped silicon	Silicon (Si)	7440-21-3	0.47000	100.00000	3.73808
			subTotal	0.47000	100.00000	3.73808
Lead Frame	Copper alloy	Copper (Cu)	7440-50-8	4.50440	95.17000	35.82509
		Iron (Fe)	7439-89-6	0.10744	2.27000	0.85450
		Phosphorous (P)	7723-14-0	0.00331	0.07000	0.02635
		Zinc (Zn)	7440-66-6	0.00568	0.12000	0.04517
	Pure metal layer	Silver (Ag)	7440-22-4	0.11217	2.37000	0.89215
			subTotal	4.73300	100.00000	37.64326
Mould Compound	Filler	Silica -amorphous-	7631-86-9	2.36617	35.07000	18.81903
		Silica fused	60676-86-0	2.95788	43.84000	23.52513
	Pigment	Carbon black	1333-86-4	0.01687	0.25000	0.13415
	Polymer	Epichlorohydrin/o-Cresol/Formaldehyde polymer (generic)	29690-82-2	0.67470	10.00000	5.36613
		Phenol Formaldehyde resin (generic)	9003-35-4	0.67065	9.94000	5.33394
		Polyethylene (PE) -wax-	9002-88-4	0.06072	0.90000	0.48295
		subTotal	6.74700	100.00000	53.66133	
Post-Plating	Impurity	Antimony (Sb)	7440-36-0	0.00005	0.01000	0.00039
		Bismuth (Bi)	7440-69-9	0.00010	0.02000	0.00077
		Iron (Fe)	7439-89-6	0.00005	0.01000	0.00039
		Lead (Pb)	7439-92-1	0.00005	0.01000	0.00039
	Tin solder	Tin (Sn)	7440-31-5	0.48576	99.95000	3.86340
		subTotal	0.48600	100.00000	3.86534	
Wire	Impurity	Non hazardous	Proprietary	0.00001	0.01000	0.00006
	Pure metal	Copper (Cu)	7440-50-8	0.06929	99.99000	0.55111
		subTotal	0.06930	100.00000	0.55117	

Note(s):

1) This is a generic description of the substance used as the actual composition of the substances are either considered proprietary or no official CAS number is available. If a CAS number is given, it is the closest match available.

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