Product Document

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ams OSRAM Group

Material Declaration Form

ams AG
Tobelbader Strasse 30
A-8141 Premstaetten, Austria
Tel +43 (0) 3136 500-0

Ordering Code	Package Family	Assembly Material Number	Lead Count	Weight (mg)	Manufacturing Country	Halogen Free	EU RoHS	China RoHS	Release Status	Version
AS1107WL	SOIC 300 MIL	174970078	24	641.17	Malaysia	YES	YES	YES	FULL	1

Homogenous Material	Weight (mg)	Symbol	Chemical Substance	Input Ratio (%)	CAS Number	Unit Weight (mg)	Unit Weight (%)	Amount (ppm)
Adhesive	1.12	Ag	Silver	80.00	7440-22-4	0.89600	0.13974	1397
			Carbocyclic Acrylates	15.00	3066-71-5	0.16800	0.02620	262
			Epoxy Resin	5.00	25928-94-3	0.05600	0.00873	87
		Subtotal:		**100.00**		**1.12000**	**0.17468**	**1747**
Wire	0.74	Au	Gold	100.00	7440-57-5	0.74000	0.11541	1154
		Subtotal:		**100.00**		**0.74000**	**0.11541**	**1154**
Leadframe	142.99	Cu	Copper	97.50	7440-50-8	139.41525	21.74388	217439
		Fe	Iron	2.40	7439-89-6	3.43176	0.53523	5352
		Zn	Zinc	0.10	7440-66-6	0.14299	0.02230	223
		Subtotal:		**100.00**		**142.99000**	**22.30142**	**223014**
Plating	6.64	Sn	Tin	100.00	7440-31-5	6.64000	1.03561	10356
		Subtotal:		**100.00**		**6.64000**	**1.03561**	**10356**
IC	8.88	Si	Silicon	100.00	7440-21-3	8.88000	1.38497	13850
		Subtotal:		**100.00**		**8.88000**	**1.38497**	**13850**
Moldcompound	480.8	SiO2	Silica	87.00	60676-86-0	418.29600	65.23948	652395
			Carbon Black	0.20	1333-86-4	0.96160	0.14998	1500
			Epoxy Resin	8.00	25928-94-3	38.46400	5.99903	59990
			Phenol Resin	4.80	28064-14-4	23.07840	3.59942	35994
		Subtotal:		**100.00**		**480.80000**	**74.98791**	**749879**
Total:	**641.17**					**641.17**	**100.00000**	**1000000**

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