

Material Declaration Form

Page 1

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
AS1105WL	SOIC 300 MIL	174970084	20	540.58	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	2.35	Ag	Silver	80.00	7440-22-4	1.88000	0.34777	3478
			Carbocyclic Acrylates	15.00	3066-71-5	0.35250	0.06521	652
			Epoxy Resin	5.00	25928-94-3	0.11750	0.02174	217
			Subtotal:	100.00		2.35000	0.43472	4347
Wire	1.2	Au	Gold	100.00	7440-57-5	1.20000	0.22198	2220
			Subtotal:	100.00		1.20000	0.22198	2220
Leadframe	157.09	Cu	Copper	97.50	7440-50-8	153.16275	28.33304	283330
			Fe	2.40	7439-89-6	3.77016	0.69743	6974
			Zn	0.10	7440-66-6	0.15709	0.02906	291
			Subtotal:	100.00		157.09000	29.05953	290595
Plating	5.5	Sn	Tin	100.00	7440-31-5	5.50000	1.01743	10174
			Subtotal:	100.00		5.50000	1.01743	10174
IC	3.44	Si	Silicon	100.00	7440-21-3	3.44000	0.63635	6364
			Subtotal:	100.00		3.44000	0.63635	6364
Moldcompound	371	SiO2	Silica	87.00	60676-86-0	322.77000	59.70809	597081
			Carbon Black	0.20	1333-86-4	0.74200	0.13726	1373
			Epoxy Resin	8.00	25928-94-3	29.68000	5.49040	54904
			Phenol Resin	4.80	28064-14-4	17.80800	3.29424	32942
			Subtotal:	100.00		371.00000	68.62999	686300
Total:	540.58					540.58	100.00000	1000000

The information provided in this statement represents ams AG knowledge and belief as of the date that it is provided. ams AG bases its knowledge and belief on information provided by third parties, and makes no representation or warranty as to the accuracy and shall have no liability for the consequences of use of such information. ams AG has taken and continues to take reasonable steps to provide representative and accurate information but may not have conducted destructive testing or chemical analysis on incoming materials and chemicals. ams AG and its suppliers consider certain information to be proprietary, and thus CAS numbers and other limited information may not be available for release.