



Materials Declaration

Package	LQFP_EP
Body Size	28 X 28 X 1.4
LeadCount	208
Option	Pb-free

Molding Compound			
Item	% of Compound	Weight (g)	PPM
Silica	86.91	1.77 E+00	667577
Epoxy and Phenol resin	12.78	2.60 E-01	98166
Carbon black	0.31	6.31 E-03	2381
Subtotal		2.03 E+00	768125

Leadframe			
Item	% of Leadframe	Weight (g)	PPM
Cu	96.20	4.81 E-01	181814
Ni	3.00	1.50 E-02	5669
Si	0.65	3.23 E-03	1222
Mg	0.15	7.58 E-04	286
Subtotal		5.00 E-01	188990

Internal Leadframe Plating			
Item	% of Plating	Weight (g)	PPM
Ag	100	4.95 E-03	1870

External Leadframe Plating			
Item	% of Plating	Weight (g)	PPM
Sn	100	2.43 E-02	9191

Bond Wires			
Item	% of Wire	Weight (g)	PPM
Au	99.99	1.03 E-02	3886

Chip			
Item	% of Chip	Weight (g)	PPM
Si	100	6.59 E-02	24892

Die Attach			
Item	% of Die Attach	Weight (g)	PPM
Ag	72.4	5.84 E-03	2205
Epoxy compound	18.1	1.46 E-03	551
Anhydrides	6.8	5.47 E-04	207
Polymeric material	2.7	2.19 E-04	83
Subtotal		8.06 E-03	3045

Package Totals	
Weight (g)	PPM
2.65 E+00	1000000

Molding Compound		
Item	PPM	Method
Pb	None Detected	EPA Method 3052, Draft IEC62321, ICP-OES.
Cd	None Detected	EPA Method 3052, Draft IEC62321, ICP-OES.
Hg	None Detected	EPA Method 3052, Draft IEC62321, ICP-OES.
Cr+6	None Detected	EPA Method 3060A, Draft IEC62321, UV-VIS
PBB	None Detected	EPA Method 3540C, Draft IEC62321, GC/MS-D.
PBDE	None Detected	EPA Method 3540C, Draft IEC62321, GC/MS-D.

Die Attach Paste		
Item	PPM	Method
Pb	None Detected	EPA Method 3052, Draft IEC62321, ICP-OES.
Cd	None Detected	EPA Method 3052, Draft IEC62321, ICP-OES.
Hg	None Detected	EPA Method 3052, Draft IEC62321, ICP-OES.
Cr+6	None Detected	EPA Method 3060A, Draft IEC62321, UV-VIS
PBB	None Detected	EPA Method 3540C, Draft IEC62321, GC/MS-D.
PBDE	None Detected	EPA Method 3540C, Draft IEC62321, GC/MS-D.

Note: The information provided in this declaration are true to the best of ADI's knowledge. ADI derived most of the information listed in this declaration from documents provided by third parties, and assumes no liability to any inaccuracy of such information.



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