



**Materials Declaration**

<b>Package</b>	LFCSP
<b>Body Size (mm)</b>	9 X 9 X 0.85 (7.5 EP)
<b>LeadCount</b>	64
<b>Option</b>	Pb-free, Halide-free

Molding Compound			
Substance	% of Compound	Weight (g)	PPM
Silica	86.91	8.24 E-02	302321
Epoxy & Phenol Resin	12.78	1.21 E-02	44456
Carbon black	0.31	2.94 E-04	1078
Subtotal	100.0	9.48 E-02	347855

Leadframe			
Substance	% of Leadframe	Weight (g)	PPM
Copper	97.5	1.35 E-01	496090
Iron	2.35	3.26 E-03	11957
Zinc	0.12	1.66 E-04	611
Phosphorus	0.03	4.16 E-05	153
Subtotal	100.00	1.39 E-01	508811

Internal Leadframe Plating			
Substance	% of Plating	Weight (g)	PPM
Silver	100	9.32 E-03	34210

External Leadframe Plating			
Substance	% of Plating	Weight (g)	PPM
Tin	100	5.50 E-03	20199

Bond Wires			
Substance	% of Wire	Weight (g)	PPM
Gold	99.99	1.78 E-03	6532

Chip			
Substance	% of Chip	Weight (g)	PPM
Doped Silicon	100	1.97 E-02	72132

Die Attach			
Substance	% of Die Attach	Weight (g)	PPM
Silver	72.40	2.02 E-03	7429
Epoxy compound	18.10	5.06 E-04	1857
Anhydrides	6.79	1.90 E-04	697
Polymeric material	2.71	7.58 E-05	278
Subtotal	100.00	2.80 E-03	10261

Package Totals		
Weight (g)	PPM	
2.73 E-01	1000000	

Molding Compound		
Substance	PPM	Method
Lead	Not Detected	Draft IEC62321. ICP.
Cadmium	Not Detected	Draft IEC62321. ICP.
Mercury	Not Detected	Draft IEC62321. ICP.
Chromium+6	Not Detected	Draft IEC62321. Colorimetric Method.
Polybrominated biphenyls (PBB)	Not Detected	Draft IEC62321. GC-MS.
Polybrominated Diphenyl Ethers (PBDE)	Not Detected	Draft IEC62321. GC-MS.

Die Attach Paste		
Substance	PPM	Method
Lead	Not Detected	Draft IEC 62321. ICP-AES.
Cadmium	Not Detected	Draft IEC 62321. ICP-AES.
Mercury	Not Detected	Draft IEC 62321. ICP-AES.
Chromium+6	Not Detected	Draft IEC 62321. UV-VIS.
Polybrominated biphenyls (PBB)	Not Detected	Draft IEC 62321. GC-MS.
Polybrominated Diphenyl Ethers (PBDE)	Not Detected	Draft IEC 62321. GC-MS.

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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