

## Materials Declaration

<b>Package</b>	LFCSP
<b>Body Size</b>	2 X 2 X 0.55 mm
<b>LeadCount</b>	10
<b>Option</b>	Halide-free, Pb-free

Molding Compound			
Substance	% of Compound	Weight (g)	PPM
Silica	80.80	2.06E-03	219659
Epoxy resin	9.00	2.30E-04	24467
Phenol Resin	5.00	1.28E-04	13593
Metal Hydroxide	5.00	1.28E-04	13593
Carbon Black	0.20	5.10E-06	544
Subtotal	100.00	2.55E-03	271855

Leadframe			
Substance	% of Leadframe	Weight (g)	PPM
Copper	96.20	5.71 E-03	609198
Nickel	3.00	1.78 E-04	18998
Silicon	0.65	3.86 E-05	4116
Magnesium	0.15	8.91 E-06	950
Subtotal	100.00	5.94 E-03	633262

Internal/External Leadframe Plating			
Substance	% of Plating	Weight (g)	PPM
Nickel	90.91	1.45 E-04	15507
Palladium	7.91	1.26 E-05	1348
Gold	1.19	1.90 E-06	202
Subtotal	100.00	1.60 E-04	17058

Bond Wires			
Substance	% of Wire	Weight (g)	PPM
Gold	100.0	5.00 E-05	5330

Chip			
Substance	% of Chip	Weight (g)	PPM
Doped Silicon	100.0	5.90 E-04	62900

Die Attach			
Substance	% of Die Attach	Weight (g)	PPM
Silica	70.0	6.30 E-05	6716
Resin	15.0	1.35 E-05	1439
Additive	10.0	9.00 E-06	959
Bisphenol A Glycidylether	5.0	4.50 E-06	480
Subtotal	100.0	9.00 E-05	9595

Package Totals	
Weight (g)	PPM
9.38 E-03	1000000

Molding Compound		
Substance	PPM	Method
Lead	Not Detected	Draft IEC 62321- ICP-OES
Cadmium	Not Detected	Draft IEC 62321- ICP-OES
Mercury	Not Detected	Draft IEC 62321- ICP-OES
Chromium+6	Not Detected	Draft IEC 62321- UV-VIS
Polybrominated biphenyls (PBB)	Not Detected	Draft IEC 62321- GC-MSD
Polybrominated Diphenyl Ethers (PBDE)	Not Detected	Draft IEC 62321- GC-MSD

Die Attach 1		
Substance	PPM	Method
Lead	Not Detected	EPA 3052. ICP-AES
Cadmium	Not Detected	EPA 3052. ICP-AES
Mercury	Not Detected	EPA 3052. ICP-AES
Chromium+6	Not Detected	EPA 3060A & 7198A. UV-VIS.
Polybrominated biphenyls (PBB)	Not Detected	EPA Method 3540C/3541/3550C. GC/MS.
Polybrominated Diphenyl Ethers (PBDE)	Not Detected	EPA Method 3540C/3541/3550C. 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  
 any inaccuracy of such information.



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