

Materials Declaration

Package	LFCSP
Body Size	6 X 6 x 0.85 mm
LeadCount	40
Option	Halide-free, Pb-free

Molding Compound

Substance	% of Compound	Weight (g)	PPM
Silica	86.91	3.71 E-02	411264
Epoxy & Phenol Resin	12.78	5.46 E-03	60476
Carbon black	0.31	1.32 E-04	1467
Subtotal	100.0	4.27 E-02	473206

Leadframe

Substance	% of Leadframe	Weight (g)	PPM
Copper	97.5	4.22 E-02	467205
Iron	2.35	1.02 E-03	11261
Zinc	0.12	5.19 E-05	575
Phosphorus	0.03	1.30 E-05	144
Subtotal	100	4.33 E-02	479185

Internal Leadframe Plating

Substance	% of Plating	Weight (g)	PPM
Silver	100	5.00 E-04	5536

External Leadframe Plating

Substance	% of Plating	Weight (g)	PPM
Tin	100	3.10 E-04	3432

Bond Wires

Substance	% of Wire	Weight (g)	PPM
Gold	99.99	1.10 E-03	12179

Chip

Substance	% of Chip	Weight (g)	PPM
Doped Silicon	100	1.83 E-03	20261

Die Attach

Substance	% of Die Attach	Weight (g)	PPM
Silver	73.40	4.11 E-04	4551
Epoxy Resin	18.35	1.03 E-04	1138
Metal oxide	2.75	1.54 E-05	171
Curing and hardening agent	2.75	1.54 E-05	171
Gamma Butyrolactone	2.75	1.54 E-05	171
Subtotal	100.00	5.60 E-04	6200

Molding Compound

Substance	PPM	Method
Lead	Not Detected	Draft IEC62321. ICP-OES.
Cadmium	Not Detected	Draft IEC62321. ICP-OES.
Mercury	Not Detected	Draft IEC62321. ICP-OES.
Chromium+6	Not Detected	Draft IEC62321. UV-VIS.
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 IEC62321. ICP-OES.
Cadmium	Not Detected	Draft IEC62321. ICP-OES.
Mercury	Not Detected	Draft IEC62321. ICP-OES.
Chromium+6	Not Detected	Draft IEC62321. UV-VIS.
Polybrominated biphenyls (PBB)	Not Detected	Draft IEC62321. GC-MSD.
Polybrominated Diphenyl Ethers (PBDE)	Not Detected	Draft IEC62321. GC-MSD.

Package Totals

Weight (g)	PPM
9.03 E-02	1000000

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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