

<b>Package</b>	TQFP - EP
<b>Body Size</b>	10 X 10 X 1.0 (7.3 EP)
<b>LeadCount</b>	52
<b>Option</b>	Pb-free, Halide-free

### Materials Declaration

Molding Compound			
Substance	% of Compound	Weight (g)	PPM
Silica	88	1.23 E-01	419069
Epoxy & Phenol Resin	11.5	1.61 E-02	54765
Carbon Black	0.5	6.99 E-04	2381
Subtotal	100	1.40 E-01	476215

Leadframe			
Substance	% of Leadframe	Weight (g)	PPM
Copper	99.25	1.01 E-01	344453
Chromium	0.30	3.06 E-04	1041
Tin	0.25	2.55 E-04	868
Zinc	0.20	2.04 E-04	694
Subtotal	100	1.02 E-01	347056

Internal Leadframe Plating			
Substance	% of Plating	Weight (g)	PPM
Silver	100	6.20 E-04	2111

External Leadframe Plating			
Substance	% of Plating	Weight (g)	PPM
Tin	100	8.59 E-03	29251

Bond Wires			
Substance	% of Wire	Weight (g)	PPM
Gold	99.99	1.27 E-03	4325

Chip			
Substance	% of Chip	Weight (g)	PPM
Doped Silicon	100	3.53 E-02	120033

Die Attach			
Substance	% of Die Attach	Weight (g)	PPM
Silver	72.40	4.47 E-03	15211
Epoxy compound	18.10	1.12 E-03	3803
Anhydrides	6.79	4.19 E-04	1427
Polymeric material	2.71	1.67 E-04	569
Subtotal	100.00	6.17 E-03	21010

Molding Compound		
Substance	PPM	Method
Lead	None Detected	Draft IEC 62321, ICP.
Cadmium	None Detected	Draft IEC 62321, ICP.
Mercury	None Detected	Draft IEC 62321, ICP.
Chromium+6	None Detected	Draft IEC 62321, Colorimetric Method.
Polybrominated biphenyls (PBB)	None Detected	Draft IEC 62321, GC-MS.
Polybrominated Diphenyl Ethers (PBDE)	None Detected	Draft IEC 62321, GC-MS.

Die Attach Paste		
Substance	PPM	Method
Lead	None Detected	Draft IEC 62321, ICP-AES.
Cadmium	None Detected	Draft IEC 62321, ICP-AES.
Mercury	None Detected	Draft IEC 62321, ICP-AES.
Chromium+6	None Detected	Draft IEC 62321, UV-VIS.
Polybrominated biphenyls (PBB)	None Detected	Draft IEC 62321, GC-MS.
Polybrominated Diphenyl Ethers (PBDE)	None Detected	Draft IEC 62321, GC-MS.

Package Totals	
Weight (g)	PPM
2.94 E-01	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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