

# Material Content Data Sheet

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|---|---|---|---|
| **Umbrella Spec** | IsoPACK™ 54 | | |
| **Date** | 2012-03-19 | **RoHS compliant** | Yes |
| **Revision** | 3.0 | | |

| *Construction element* | *Material group* | *Materials* | *CAS-Nr. if applicable* | *Average mass [%]** | *Sum [%]* | *Traces* | *Comment* |
|---|---|---|---|---|---|---|---|
| chip | inorganic material | silicon | 7440-21-3 | 0,32 | 0,32 | | |
| Base plate and substrate including metallisation | non noble metal | copper | 7440-50-8 | 50,30 | 55,24 | | |
| | inorganic material | aluminium oxid | 1344-28-1 | 1,70 | | | |
| | non noble metal | tin | 7440-31-5 | 2,98 | | | |
| | noble metal | silver | 7440-22-4 | 0,11 | | | |
| | non noble metal | nickel | 7440-02-0 | 0,15 | | | |
| wire | non noble metal | aluminium | 7429-90-5 | 0,26 | 0,26 | | |
| encapsulation | polymers | silicone gel | | 5,80 | 5,80 | | |
| housing | polymers | PBT | | 15,80 | 27,69 | | |
| | inorganic material | antimonytrioxide | 1309-64-4 | 1,66 | | | |
| | plastics | brominated resin | | 1,14 | | | |
| | plastics | chlorinated resin | | 0,78 | | | |
| | inorganic material | silicondioxide / glasfiber | | 8,31 | | | |
| lead, finish and plating | non noble metal | copper | 7440-50-8 | 5,25 | 10,65 | | |
| | ferrous metal | steel | | 5,40 | | | |
| | non noble metal | zinc | 7440-66-6 | | | X | |
| | non noble metal | tin | 7440-31-5 | | | X | |
| | noble metal | silver | 7440-22-4 | | | X | |
| | non noble metal | nickel | 7440-02-0 | | | X | |
| deviation | <25% | | | Sum in total | 100,0 | | |

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|---|---|
| Weight range of product | **305** |
| Fluctuation margin | <25% |

*) related to component weight
**) Weight of particular product, see technical product information

**Important Remarks:**

1) This document provides full declaration of all materials present in Infineon products above a threshold of 0,1 % b.w. (1000 ppm).
2) Trace concentrations (i.e. < 0,1 % b.w) present in products are marked with an "X" as far as they represent substances-of-concern.
A list of substances-of-concern can be found at http://www.infineon.com/soc.
3) All statements are based on our present knowledge and are subject to change at any time due to technical requirements and development.



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| Company | Infineon Technologies AG |
| Address | 81726 München |
| Internet | www.infineon.com |