Material Data Sheet

Infineon Technologies Bipolar



Product family name	**PowerBlock 60mm Al8**
Date	**13.09.2024**
Revision	**2**

Construction element	*Material group*	*Materials*	*CAS-Nr.* *if applicable*	*Average mass [%]**	*Sum [%]*	*Traces*	*Comment*
Semiconductor contact discs	other metals	Molybdenum	7439-98-7	3,5%	7,0%		Molybdenum galv. Ruthenium;
		Ruthenium	7440-18-8			X	
		Nickel	7400-02-0			X	
	nonferrous metals	Copper	7440-50-8	3,1%			Copper galv. Nickel / Silver
	nobel metal	Silver	7440-22-4			X	
	Semi metals	Silicon	7440-21-3	0,3%			silicon chip doped with very small amounts of elements such as boron, arsenic or phosphorus
	Polymers	Silicone	63394-02-5	0,1%			
Package including cover, gel and baseplate	nonferrous metals	Copper	7440-50-8	29,8%	93,0%		Copper galv. Nickel / Silver
	nobel metal	Silver	7440-22-4			X	
		Zink	7440-66-6	0,2%			
		Aluminium	7429-90-5	16,3%			
	Inorganic materials, ceramics	ALN		2,4%			
	Iron alloy	Iron	7439-89-6	19,7%			Iron galv. Zink
		Zinc	7440-66-6			X	
	Polymers	Silicone	63394-02-5	4,6%			
		PPS	25212-74-2	20,1%			classification EN45545: R22: HL3 R23: HL3
				Sum in total:	**100,0%**		

Weight range of product family **	**1000 bis 1100g**
Fluctuation margin	+/- 5%

*) related to component weight

**) Weight of particular product, see technical product information

1) Only substances, materials or constituents actually being present in the product are declared. Substances, materials or constituents that are legally listed as banned are not used and are therefore not part of our products.
2) Substances, materials or constituents being present in concentrations < 0.1 % by weight (< 1000 ppm) are indicated as traces.
3) For substances, materials or constituents with possible harmful effects to human life or the environment, we aspire a detailled declaration even for concentrations < 0.1 % by weight.
4) There are no risks for human beings and to the environment if products are used properly as designated. This shall not apply to risks caused during procedures for disposal etc..
5) All statements herein are based on our present knowledge. Further information is available from our sales representatives.

Company	Infineon Technologies Bipolar GmbH & Co. KG
Address	Max-Planck-Str. 5, D-59581 Warstein, Germany
E-mail	support@infineon-bip.com