

Material Data Sheet



Infineon Technologies Bipolar GmbH & Co. KG



Product family name	PowerBLOCK 60mm Premium
Date	24.06.2019
Revision	0

Construction element	Material group	Materials	CAS-Nr. <i>if applicable</i>	Average mass [%]*	Sum [%]	Traces	Comment
Semiconductor including contact discs	other metals	Molybdenum	7439-98-7	2,6%	5%		Molybdenum galv. Ruthenium;
		Nickel	7440-02-0			X	
		Ruthenium	7440-18-8			X	
	nonferrous metals	Copper	7440-50-8	2,4%			Copper galv. Silver Copper galv. Nickel
	nobel metal	Silver	7440-22-4			X	
	Semi metals	Silicon	7440-21-3				silicon chip doped with very small amounts of elements such as boron, arsenic or phosphorus
	Polymers	Silicone	63394-02-5			X	
Package including cover, gel and baseplate	nonferrous metals	Copper	7440-50-8	57,3%	95%	X	Copper galv. Silver Copper galv. Nickel
	Inorganic materials, ceramics	ALN		1,7%			
	Iron alloy	Iron	7439-89-6	19,0%			
		Zinc	7440-66-6			X	Iron galv. Zink
	Polymers	Silicone	63394-02-5	3,3%			
		PTFE	9002-84-0			X	
	PPS	25212-74-2	13,7%				
Sum in total:					100%		

Weight range of product family **	1300 bis 1450g
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 detailed 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.

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