

Material Content Data Sheet

RoHS

Umbrella Spec	62mm S8	**Revision**	01
Issued	10.07.2025	**Weight***	341 g

Construction element	*Material group*	*CAS-Nr. if applicable*	*Materials*	*Average mass*	*Sum*	*Traces*	*Comment*
semiconductors	inorganic material	7440-21-3	silicon	0,1%	0,2%		
	non noble metal	7429-90-5	aluminum			X	
	non noble metal	7440-02-0	nickel			X	
baseplate and substrate including metalisation	non noble metal	7440-50-8	copper	56,7%	58,7%		
	inorganic material	1344-28-1	aluminum oxide	1,7%			
	non noble metal	7440-02-0	nickel	0,2%			
	inorganic material	14808-60-7	silica	0,1%			
	inorganic material	1309-48-4	magnesium-oxide			X	
	inorganic material	1305-78-8	calcium-oxide			X	
	inorganic material	7723-14-0	phosphorus			X	
	inorganic material	1313-59-3	disodium-oxide			X	
bond wire	non noble metal	7429-90-5	aluminum	0,3%	0,3%		
	non noble metal	7440-02-0	nickel			X	
silicone compounds	polymers	-	PVMQ	10,1%	10,4%		
	inorganic material	-	other	0,1%			no duty of declaration
	polymers	-	silicone-rubber VMQ	0,1%			
	inorganic material	112945-52-5	amorphous, pyrogenetic silica			X	
housing	polymers	-	PBT+ASA	6,6%	15,0%		
	inorganic material	-	glass fiber	4,5%			
	inorganic material	1309-64-4	antimonious trioxide	1,5%			
	inorganic material	-	ISO 1043-4 FR(17) aromatic brominated compounds (excluding brominated diphenyl ether and biphenyls) in combination with antimony compounds, not declarable	1,5%			
	inorganic material	-	further additives	0,8%			no duty of declaration
	polymers	9002-84-0	ethene, tetrafluoro-, homopolymer	0,1%			
terminals and nuts	non noble metal	7440-50-8	copper	9,4%	12,4%		
	non noble metal	7439-89-6	iron	2,9%			
	non noble metal	7440-31-5	tin	0,1%		X	
	non noble metal	7440-66-6	zinc			X	
	non noble metal	7439-96-5	manganese			X	
	noble metal	7440-22-4	silver			X	
	inorganic material	7440-44-0	carbon			X	
	inorganic material	7723-14-0	phosphorus			X	
	inorganic material	1308-14-1	chromium(III)-hydroxide			X	
tin solder	non noble metal	7440-31-5	tin	2,8%	3,0%		
	non noble metal	7440-36-0	antimony	0,2%			
	noble metal	7440-22-4	silver			X	
*deviation	< 25%			Sum in total:	100%		

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.
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