

Material Content Data Sheet

RoHS

Umbrella Spec	Easy2-C SiC only + TIM_Q	**Revision**	01
Issued	04.02.2025	**Weight***	39 g

Construction element	*Material group*	*CAS-Nr. if applicable*	*Materials*	*Average mass*	*Sum*	*Traces*	*Comment*
semiconductors	inorganic material	409-21-2	silicon-carbide	0,2%	0,2%		
	non noble metal	7429-90-5	aluminum			X	
	non noble metal	7440-02-0	nickel			X	
substrate	non noble metal	7440-50-8	copper	21,5%	35,3%		
	inorganic material	1344-28-1	aluminum oxide	13,3%			
	inorganic material	14808-60-7	silica	0,4%			
	inorganic material	1309-48-4	magnesium-oxide	0,1%			
bond wire	non noble metal	7440-50-8	copper	0,5%	0,5%		
silicone compounds	polymers	-	silicone-rubber VMQ	15,2%	15,6%		
	inorganic material	-	other	0,3%			no duty of declaration
	inorganic material	112945-52-5	amorphous, pyrogenetic silica	0,1%			
housing and clips	inorganic material	-	glass fiber	10,7%	42,5%		
	polymers	-	PBT	8,7%			
	inorganic material	1309-42-8	magnesium hydroxide	7,3%			
	polymers	-	PPS-I	7,0%			
	non noble metal	7439-89-6	iron	2,6%			
	inorganic material	-	ISO 1043-4 FR(40) halogen-free organic phosphorus compounds, not declarable	2,6%			
	inorganic material	-	ISO 1043-4 FR(30) nitrogen compounds (confined to melamine, melamine cyanurate, urea), not declarable	1,2%			
	inorganic material	-	Pigment portion, not declarable	0,9%			
	non noble metal	7440-47-3	chrome	0,6%			
	inorganic material	-	further additives	0,4%			no duty of declaration
	non noble metal	7440-02-0	nickel	0,3%			
	polymers	9002-84-0	Ethene, tetrafluoro-, homopolymer			X	
pins and rivets	non noble metal	7440-50-8	copper	4,6%	4,8%		
	non noble metal	7440-31-5	tin	0,2%			
	non noble metal	7440-02-0	nickel			X	
	inorganic material	7723-14-0	phosphorus			X	
SMD components	non noble metal	7439-89-6	iron		0,1%	X	
	non noble metal	7440-02-0	nickel			X	
	inorganic material	1317-36-8	lead monoxide	0,02%		X	RoHS compliant; according to exception 7c. I
	inorganic material	14808-60-7	silica			X	
	non noble metal	7440-50-8	copper			X	
	non noble metal	7440-31-5	tin			X	
	inorganic material	1309-64-4	antimonious trioxide			X	
	inorganic material	1313-99-1	nickel monoxide			X	
	inorganic material	1308-06-1	tricobalt tetraoxide			X	
	noble metal	7440-57-5	gold			X	
tin solder	non noble metal	7440-31-5	tin	0,2%	0,2%		
	non noble metal	7440-36-0	antimony			X	
TIM	non noble metal	7429-90-5	aluminum	0,5%	0,8%		
	inorganic material	1314-13-2	zinc oxide	0,2%			
*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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