



Material Content Data Sheet



Sales Product Name		SAK-TC1797-512F180EF AC			Issued		20. July 2018		
MA#		MA001248234							
Package		P-BGA-416-27			Weight*		3228.52 mg		
Construction Element	Material Group	Substances	CAS# if applicable	Weight [mg]	Average Mass [%]	Sum [%]	Average Mass [ppm]	Sum [ppm]	
chip	inorganic material	silicon	7440-21-3	54.869	1.70	1.70	16995	16995	
wire	non noble metal	copper	7440-50-8	4.217	0.13	0.13	1306	1306	
encapsulation	organic material	carbon black	1333-86-4	2.379	0.07		737		
	inorganic material	silicondioxide	60676-86-0	146.328	4.53		45324		
substrate	plastics	epoxy resin	-	1040.952	32.24	36.84	322423	368484	
	plastics	epoxy resin	-	22.546	0.70		6984		
	inorganic material	bariumsulfate	7727-43-7	34.597	1.07		10716		
	plastics	acrylic resin	-	40.039	1.24		12402		
	plastics	bismaleimide triazine resin	-	122.239	3.79		37862		
plating	inorganic material	aluminiumhydroxide	21645-51-2	134.463	4.16		41649		
	inorganic material	glass fibre	-	232.255	7.19		71938		
	non noble metal	copper	7440-50-8	961.301	29.78	47.93	297753	479304	
solderball	noble metal	gold	7440-57-5	2.541	0.08		787		
	non noble metal	nickel	7440-02-0	6.955	0.22	0.30	2154	2941	
glue	non noble metal	lead	7439-92-1	153.661	4.76		47595		
	non noble metal	tin	7440-31-5	261.638	8.10	12.86	81040	128635	
*deviation	plastics	epoxy resin	-	1.884	0.06		584		
	noble metal	silver	7440-22-4	5.652	0.18	0.24	1751	2335	
						Sum in total:	100.00	1000000	

Important Remarks:

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