

Material Content Data Sheet

Halogen-Free

Sales Product Name	SAK-TC1796-256F150E BE	**Issued**	16. October 2019
MA#	MA001226480		
Package	P-BGA-416-25	**Weight***	2591.64 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	49.517	1.91	1.91	19106	19106
wire	noble metal	gold	7440-57-5	9.468	0.37	0.37	3653	3653
encapsulation	organic material	carbon black	1333-86-4	2.389	0.09		922	
	plastics	epoxy resin	-	146.950	5.67		56702	
	inorganic material	silicondioxide	60676-86-0	1045.379	40.33	46.09	403364	460988
substrate	plastics	epoxy resin	-	24.545	0.95		9471	
	inorganic material	bariumsulfate	7727-43-7	37.664	1.45		14533	
	plastics	acrylic resin	-	43.589	1.68		16819	
	plastics	bismaleimide triazine resin	-	146.953	5.67		56702	
	inorganic material	aluminiumhydroxide	21645-51-2	161.648	6.24		62373	
	non noble metal	copper	7440-50-8	222.058	8.57		85682	
	inorganic material	glass fibre	-	279.210	10.77	35.33	107735	353315
plating	noble metal	gold	7440-57-5	0.001	0.00		1	
	non noble metal	nickel	7440-02-0	0.002	0.00	0.00	1	2
solderball	non noble metal	lead	7439-92-1	153.661	5.93		59291	
	non noble metal	tin	7440-31-5	261.638	10.10	16.03	100954	160245
glue	plastics	epoxy resin	-	1.743	0.07		673	
	noble metal	silver	7440-22-4	5.230	0.20	0.27	2018	2691
*deviation	< 10%				Sum in total:	100.00		1000000

Important Remarks:

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