



## Material Content Data Sheet



<b>Sales Product Name</b>		SAK-TC1791F-512F240EP AB		<b>Issued</b>		29. August 2013		
<b>MA#</b>		MA001063664						
<b>Package</b>		PG-LFBGA-292-3		<b>Weight*</b>		874.91 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	39.688	4.54	4.54	45363	45363
wire	non noble metal	copper	7440-50-8	2.785	0.32	0.32	3184	3184
encapsulation	organic material	carbon black	1333-86-4	0.675	0.08		772	
	plastics	epoxy resin	-	41.522	4.75		47459	
substrate	inorganic material	silicondioxide	60676-86-0	295.382	33.75	38.58	337612	385843
	plastics	epoxy resin	-	7.281	0.83		8322	
	inorganic material	bariumsulfate	7727-43-7	11.173	1.28		12770	
	plastics	acrylic resin	-	12.930	1.48		14779	
	plastics	bismaleimide triazine resin	-	34.093	3.90		38967	
	inorganic material	aluminiumhydroxide	21645-51-2	37.502	4.29		42864	
	inorganic material	glass fibre	-	64.776	7.40		74037	
solderball	non noble metal	copper	7440-50-8	200.220	22.88	42.06	228845	420584
	noble metal	silver	7440-22-4	4.363	0.50		4987	
	non noble metal	tin	7440-31-5	120.293	13.75	14.25	137491	142478
glue	inorganic material	silicondioxide	60676-86-0	0.446	0.05		510	
	plastics	epoxy resin	-	1.783	0.20	0.25	2038	2548
*deviation	< 10%		Sum in total:			100,00		1000000

### Important Remarks:

1. Infineon Technologies AG provides full material declaration based on information provided by third parties and has taken and continues to take reasonable steps to provide representative and accurate information.
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