



## Material Content Data Sheet



Halogen-Free

**Sales Product Name** BGA 9V1MN9 E6327

**Issued**

08. April 2022

**MA#** MA005583852

**Package** PG-TSNP-9-6

**Weight\***

1.32 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	0.149	11.33	11.33	113285	113285
bumps	noble metal	silver	7440-22-4	0.000	0.01		59	
	non noble metal	nickel	7440-02-0	0.001	0.06		591	
	non noble metal	tin	7440-31-5	0.004	0.30		2955	
	non noble metal	copper	7440-50-8	0.011	0.82	1.19	8216	11821
leadframe	non noble metal	zinc	7440-66-6	0.001	0.07		748	
	non noble metal	tin	7440-31-5	0.001	0.09		935	
	non noble metal	chromium	7440-47-3	0.001	0.11		1122	
	non noble metal	copper	7440-50-8	0.488	37.13	37.40	371285	374090
encapsulation	organic material	carbon black	1333-86-4	0.001	0.09		947	
	plastics	epoxy resin	-	0.073	5.58		55829	
	inorganic material	silicondioxide	60676-86-0	0.548	41.64	47.31	416354	473130
leadfinish	non noble metal	tin	7440-31-5	0.036	2.76	2.76	27590	27590
ubm	non noble metal	titanium	7440-32-6	0.000			9	
	non noble metal	copper	7440-50-8	0.000	0.01	0.01	75	84
*deviation	< 10%	Sum in total:				100.00		1000000

### Important Remarks:

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Company	Infineon Technologies AG
Address	81726 Neubiberg
Internet	www.infineon.com