

# Chemical content 74VHCT126PW-Q100



Type number	Package	Package description	Total product weight
74VHCT126PW-Q100	SOT402-1	TSSOP14	56.00321 mg

12NC	Version	Pb-free soldering			Pb soldering			Number of processing cycles	Assembly site	RHF-indicator
		MSL	PPT	MPPT	MSL	PPT	MPPT			
935303216118	4	1	260	30 s	1	240	20 s	3	Bangkok, Thailand; Suzhou, China; Nijmegen, Netherlands	

Subpart	Material group	Substances	CAS number	Mass(mg)	Mass(%) of subpart	Mass(%) of total product
Adhesive	Filler	Silver (Ag)	7440-22-4	0.49830	77.86000	0.88978
		Polymer	Acrylic resin	Proprietary	0.09715	15.18000
		Resin system	Proprietary	0.04454	6.96000	0.07954
		subTotal		0.64000	100.00000	1.14280
Die	Doped silicon	Silicon (Si)	7440-21-3	0.39829	100.00000	0.71119
		subTotal		0.39829	100.00000	0.71119
Lead Frame Material	Copper alloy	Copper (Cu)	7440-50-8	20.46870	97.47000	36.54915
		Iron (Fe)	7439-89-6	0.50400	2.40000	0.89995
		Phosphorous (P)	7723-14-0	0.00630	0.03000	0.01125
		Zinc (Zn)	7440-66-6	0.02100	0.10000	0.03750
		subTotal		21.00000	100.00000	37.49785
Mould Compound	Additive	Non hazardous	Proprietary	1.58437	4.70000	2.82907
	Filler	Silica fused	60676-86-0	26.63090	79.00000	47.55245
	Flame retardant	Magnesium Hydroxide (Mg(OH)2)	1309-42-8	2.02260	6.00000	3.61158
	Pigment	Carbon black	1333-86-4	0.06742	0.20000	0.12039
	Polymer	1.4-bis(methoxymethyl)benzene/phenol copolymer	26834-02-6	1.34840	4.00000	2.40772
		Non hazardous	Proprietary	1.38211	4.10000	2.46791
		Tetramethylbiphenyl diglycidyl ether	85954-11-6	0.67420	2.00000	1.20386
	subTotal		33.71000	100.00000	60.19298	
Pre-Plating	Pure metal layer	Gold (Au)	7440-57-5	0.00510	3.00000	0.00911
		Nickel (Ni) - cas no. 7440-02-0	7440-02-0	0.15691	92.30000	0.28018
		Palladium (Pd)	7440-05-3	0.00527	3.10000	0.00941
		Silver (Ag)	7440-22-4	0.00272	1.60000	0.00486
		subTotal		0.17000	100.00000	0.30356
Wire	Pure metal	Copper (Cu)	7440-50-8	0.08492	100.00000	0.15163
		subTotal		0.08492	100.00000	0.15163

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