



Material declaration form

General Information			
IPC	1752	Version	2
Form type*	Distribute		
Sectionals*	Material information	Subsectionals*	A-D
	Manufacturing information		*: Required Field

Supplier Information			
Company name*	STMicroelectronics	Response Date*	2026-03-02
Contact name*	Refer to Supplier Comment section		Refer to Supplier Comment section
Contact phone*	Refer to Supplier Comment section	Contact email*	Refer to Supplier Comment section
Authorized representative*	Material Declaration champion	Representative title	Material Declaration Champion
Representative phone*	Refer to Supplier Comment section	Representative email*	Refer to Supplier Comment section
Supplier comment	Online Technical Support - STMicroelectronics : http://www.st.com/web/en/support/support.html		

Uncertainty statement

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Legal statement

Supplier acceptance* true Legal declaration* Standard

Supplier certifies that it gathered the provided information and such information is true and correct to the best of its knowledge and belief, as of the date that Supplier completes this form. Supplier acknowledges that Company will rely on this certification in determining the compliance of its products. Company acknowledges that Supplier may have relied on information provided by others in completing this form, and that Supplier may not have independently verified such information. However, in situations where Supplier has not independently verified information provided by others, Supplier agrees that, at a minimum, its suppliers have provided certifications regarding their contributions to the part(s), and those certifications are at least as comprehensive as the certification in this paragraph. If the Company and the Supplier enter into a written agreement with respect to the identified part(s), the terms and conditions of that agreement, including any warranty rights and/or remedies provided as part of that agreement, will be the sole and exclusive source of the Supplier's liability and the Company's remedies for issues that arise regarding information the Supplier provides in this form.



Product				
Mfr item number	Mfr item name	Version	Manufacturing site	date
STM32WLE4CBU6 STM32WLE4CBURTR	78MI*497XXXY	B	998Z	2022-05-08
	Amount	UoM	Unit type	ST ECOPACK Grade
	103	mg	Each	ECOPACK® 2
Identity	Authority			
Comment	ECOPACK® 2 is STMicroelectronics trade name for ROHS compliant device without Brominated and Chlorinated compound (900ppm) and without Antimony oxide flame retardant (in each organic material)			

Manufacturing information			
J-STD-020 MSL rating	Classification temperature	Number of reflow cycles	
3	260	3	
Bulk solder termination	Terminal plating	Terminal base alloy	Comment
licable; if coating is used or other bulk terr	Tin (Sn), immersion	Copper Alloy	

Package designator	Package size	Number of instances	Shape
QFN	7x7x0.55	48	flat
Comment	Package : A0B9 UFQFPN 7X7X0.55 48L 0.5 MM PITCH 8202210		

QueryList : RoHS Directive 2011/65/EU- 8 June 2011 – Annex II amended by Delegated Directive 2015/863 - 31 March 2015		Response
1 - Product(s) meets EU RoHS requirement without any exemptions		true
2 - Product(s) meets EU RoHS requirements except lead in solder and this usage may qualify under the lead in solder '7b' exemption (other selected exemptions may apply)		false
3 - Product(s) meets EU RoHS requirements by application of the selected exemption(s)		false
4 - Product(s) does not meet EU RoHS requirements and is not under exemptions		false
Exemption Id.	Description	

QueryList : ELV directive : 2000/53/EC amended 2020/363_March 2020		Response
1 - Product(s) meets EU ELV requirements without any exemptions		true
2 - Product(s) meets EU RoHS requirements by application of the selected exemption(s)		false
Exemption Id.	Description	

QueryList : California Prop65 list, dated 3rd January 2025		Response	
1 - The product does not contain identified substance from California Prop 65 List, no exposure to consumers is foreseen		false	
2 - The product is containing below substance(s) from California Prop 65 List, no exposure to consumers is foreseen		true	
Substance	amount in product (mg)	Application	ppm in product
Nickel	1.377	Leadframe_C7025+Ag_Hds	13319

QueryList : Chinese RoHS , references : SJT 11364 – 2014 and GBT 26572 – 2014		Response		
QUERY		Response		
1 - Product(s) requires marking for the presence of restricted substances and must be marked with an Environmental Protection Use Period under China's Measures for Administration of the control of pollution by Electronic Information Products		false		
2 - Product(s) is eligible for marking with the e code under China's Measures for Administration of the control of pollution by Electronic Information Products		false		
Hazardous substance				
Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Hexavalent Chromium (Cr VI)	PBB & PBDE
O	O	O	O	O

QueryList : REACH-4th February 2026		Response		
1 - Product(s) does not contain REACH Substances Of Very High Concern above the limits per the definition within REACH		true		
CategoryLevel_Name	CategoryLevel_Threshold	amount in product (mg)	Application	ppm in product
2 - Product(s) does not contain REACH Substances Of Very High Concern in any Embedded article nor Homogeneous Material above the limits per the definition within REACH				true
CategoryLevel_Name	CategoryLevel_Threshold	Amount in embedded article / Homogeneous material (mg)	Application - article / Homogeneous material	ppm in article /Homogeneous material



QueryList : Responsible metals sourcing	Response
The component is containing at least one of the following metals : Cobalt , Gold , Tantalum , Tin , Tungsten.	true
The following metals are present is the component :	Cobalt, Gold, Tantalum, Tin, Tungsten.

QueryList : Korea Chemical Control Act_ 27 Dec 2017 update	Response
The Product does contain at least one of the substances listed in Chemical Control Act	false

QueryList : China GB 33372-2020 Limit standard for volatile organic compounds content in adhesives - 4 March 2020 application date 1st December 2020	Response
The product contains adhesives identified under GB 33372	False

QueryList:Stockholm Convention Persistent Organic Pollutants (POP)	Response
Product is compliant with Annex A, B and C of Stockholm Convention Persistent Organic Pollutants	true

QueryList: EU Ship Recycling Regulation No. 1257/2013	Response
Product contains hazardous materials listed in Annex II of EU Ship Recycling Regulation No.1257/2013 and 2009/16/EC Directive	False

Other Fluorinated Substances	Response
QUERY	Response
The product is containing fluorinated substance.	False
Substance Name, CAS	

BPA Declaration	Response
Product does not contain Bisphenol A (Isopropylidenediphenol)	True

Montreal Protocol	Response
Product does not contain Ozone Depleting Substances based on Annex I to Annex VII of EU REGULATION (EC) No 1005/2009	True

Environmental Protection Agency:Toxic Substances Control Act (TSCA). Section 6(h)	Response
Product does not contain Phenol, isopropylated, phosphate (3:1)	True



Material Composition Declaration : note : Substance present with less 0.001mg will not be declared in this document						Mfr Item Name	78MI*497XXXY		103.3910		6000004.0	1000010.0
Homogeneous material	Material group	Mass	Unit of measure	Level	Substance category	Substance	CAS	Exempt	Mass	Unit of measure	Concentration in homogeneous material (ppm)	Concentration in product (ppm)
Die or dies	M-011 Other inorganic materials	4.654	mg	supplier	die	Silicon (Si)	7440-21-3		4.209	mg	904383	40710
				supplier	metallization	Aluminium (Al)	7429-90-5		0.021	mg	4512	203
				supplier	metallization	Copper (Cu)	7440-50-8		0.188	mg	40395	1818
				supplier	metallization	Cobalt (Co)	7440-48-4		0.001	mg	215	10
				supplier	metallization	Tantalum (Ta)	7440-25-7		0.061	mg	13107	590
				supplier	metallization	Titanium (Ti)	7440-32-6		0.002	mg	430	19
				supplier	metallization	Tungsten (W)	7440-33-7		0.002	mg	430	19
				supplier	Passivation	Silicon Nitride	12033-89-5		0.048	mg	10314	464
				supplier	Passivation	Silicon Oxide	7631-86-9		0.122	mg	26214	1180
				Glue epoxy_en4900gc_sd	M-011 Other inorganic materials	1.557	mg	supplier	Organic Compounds	Acrylic resin	Trade Secret	
supplier	Organic Compounds	Polybutadiene c	Trade Secret						0.031	mg	19923	300
supplier	Organic Compounds	Butadiene copo	Trade Secret						0.023	mg	14781	222
supplier	Organic Compounds	Acrylate	Trade Secret						0.084	mg	53985	812
supplier	Organic Compounds	Epoxy resin	Trade Secret						0.047	mg	30206	455
supplier	Organic Compounds	Peroxide	Trade Secret						0.012	mg	7712	116
supplier	Organic Compounds	Additive	Trade Secret						0.028	mg	17995	271
supplier	Metals	Silver	7440-22-4						1.222	mg	785347	11819
Encapsulation_eme-g770_sumitomo	M-011 Other inorganic materials	34.059	mg	supplier	Organic Compounds	Epoxy Resin A	Trade Secret		0.715	mg	20994	6916
				supplier	Organic Compounds	Epoxy Resin B	Trade Secret		0.715	mg	20994	6916
				supplier	Organic Compounds	Phenol Resin A	Trade Secret		0.715	mg	20994	6916
				supplier	Glass	Silica(Amorpho	60676-86-0		26.581	mg	780463	257094
				supplier	Glass	Silica(Amorpho	7631-86-9		3.928	mg	115333	37992
				supplier	Organic Compounds	Carbon Black	1333-86-4		0.212	mg	6225	2050
				supplier	Metallic compounds	Metal Hydroxide	Trade Secret		0.477	mg	14006	4614
				supplier	Organic Compounds	Phenol Resin B	Trade Secret		0.715	mg	20994	6916
Gold Wire Au 3N Type_Mke	Bonding Wire	0.845	mg	supplier	Metals	Gold	7440-57-5		0.845	mg	1000000	8173
Plating Anode_Pure Tin_Asahi	M-011 Other inorganic materials	1.078	mg	supplier	Metals	Tin	7440-31-5		1.078	mg	1000000	10427
Leadframe_C7025+Ag_Hds	Copper & its alloys	61.200	mg	supplier	Metals	Copper	7440-50-8		56.129	mg	917141	542886
				supplier	Metals	Nickel	7440-02-0		1.377	mg	22500	13319
				supplier	Metals	Silicon	7440-21-3		0.159	mg	2598	1538
				supplier	Metals	Magnesium	7439-95-4		0.070	mg	1144	677
				supplier	Metals	Silver	7440-22-4		3.465	mg	56618	33514