



Annex B1 - Product environmental attributes Imaging equipment

The declaration may be published only when all rows and/or fields marked with * are filled-in (n.a. for not applicable). Additional information regarding each item may be found under P15.

-

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.						
Type of product *	Label Printer					
Commercial name *	TJ-4422TN					
Model number *	TJ-4422TN					
Issue date *	5/July/2024					
Intended market *	☐ Global ☐ Europe ☐ Asia, Pacific & Japan ☐ Americas ☐ Other					
Additional information						

This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

About Annex B1

Annex B1 reflects Product environmental attributes relevant for Imaging products. The following items from the ECMA-370 Main body are not shown in the template:

P9.1 PTEC, ETEC and display resolution

P12.1-P12.2 Ergonomic requirements.

Model number *	TJ-4422TN	Logo	
Issue date *	5/July/2024		

Product	environmental attributes - Legal requirements	Require		t met
Item		Yes	No	n.a.
P1	Hazardous substances and preparations			
P1.1*	Products do comply with the current European RoHS Directive. (See legal reference and NOTE B1)	\boxtimes		
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.			
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC),	X		
	hydrobromofluorocarbons (HBFC), hydrochlorofluorcarbons (HCFC), Halons, carbontetrachloride, 1,1,1-			
	trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum			
	concentration values.			
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference).		Ш	
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).			
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 μg/cm²/week	\boxtimes		
	(see legal reference).			
	Comment: Max limit in legal reference when tested according to EN1811:2011-5.			
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact):	\boxtimes		
	https://www.brother.eu/en/reach			
P2	Batteries			
P2.1*	If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal	\boxtimes		
	symbol. Information on proper disposal is provided in user manual. (See legal reference)			
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal	\boxtimes		
	reference)			
P2.3*	Batteries and accumulators are readily removable. (See legal reference)	\boxtimes	Ш	
P3	Conformity verification & Eco design (ErP)			
P3.1*	The product is CE-marked to show conformance with applicable legal requirements (see legal reference).	\boxtimes		
	The Declaration of Conformity can be requested at (add link or e-mail address):			
P3.2*	https://support.brother.com/g/b/manualtop.aspx?c=eu_ot⟨=en∏=lptj4422tneuk		_	
P3.2"	The product complies with the applicable Eco design Requirements for Energy-Related Products, (see legal reference).			
	Required information is; given in item P15 or added to this document,			\boxtimes
	available at (add URL):			
P4	Consumable materials			
P4.1*	If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium at a level greater			
	than 0,01% (see legal reference and NOTE B1).			
P4.2*	If ink/toner is used in the product, it does not contain cadmium at a level greater than 0,1% by weight (see legal reference)			
P4.3*	If the ink/toner formulation/preparation is classified as hazardous or contains a substance for which there			\boxtimes
	are Community workplace exposure limits, the product/packaging is adequately labeled according to			
	applicable regulations and a Safety Data Sheet (SDS) in accordance with these requirements is available			
	(see legal reference).			
P5	Product packaging		_	
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and hexavalent chromium by weight of these together.			
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s	\ \ \ \	$\overline{}$	$\overline{}$
	used (see legal reference).	, <u> </u>	<u> </u>	<u> </u>
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal	\boxtimes		
	Protocol (see legal reference).			
De	Comment: Legal reference has no maximum concentration values. Treatment information			
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	<u> </u>	_	
ΓU. I	information for recycles/areatifiett facilities is available (see legal reference).			

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating "Yes" means that the product is compliant with the mandatory requirements.

Model number *	TJ-4422TN	Logo	
Issue date *	5/July/2024		

Product environmental attributes - Market requirements (See General Note GN below) - Environmental conscious design Requirement met								
Item	*=mandatory to fill in. Additional information regarding each item may be found under P14.	Yes	No n.:					
P7	Design							
	Disassembly, recycling							
P7.1*	Parts that have to be treated separately are easily separable	\boxtimes						
P7.2*	Plastic materials in covers/housing have no surface coating.							
P7.3*	Plastic parts > 100 g consist of one material or of easily separable materials.	\boxtimes						
P7.4*	Plastic parts > 25 g have material codes according to ISO 11469 referring ISO 1043-4.	\boxtimes						
P7.5	Plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.	\boxtimes						
P7.6*	Labels are easily separable. (This requirement does not apply to safety/regulatory labels).	\boxtimes						
	Product lifetime							
P7.7*	Upgrading can be done e.g. with processor, memory, cards or drives	\boxtimes						
P7.8*	Upgrading can be done using commonly available tools	\boxtimes						
P7.9	Spare parts are available after end of production for: 7 years							
P7.10	Service is available after end of production for: 7 years							
	Material and substance requirements							
P7.11*	Product cover/housing material type (e.g. plastics, metal, aluminum): Material type: Material type: Material type: Material type:							
P7.12	Insulation materials of external electrical cables are PVC free.		\boxtimes					
P7.13	Insulation materials of internal electrical cables are PVC free.							
P7.14	External plastic casing/cover parts > 25 g contain no more than 0,1% weight (1000 ppm) bromine and 0,1% weight (1000 ppm) chlorine attributable to brominated flame retardants, chlorinated flame retardants, and polyvinyl chloride or 0,3% weight (3000 ppm) bromine and 0,3% weight (3000 ppm) chlorine in parts containing more than 25% post-consumer recycled content.							
P7.15	Printed circuit boards, PCBs (without components) are low halogen: all Z PCBs > 25 g are low halogen as defined in IEC 61249-2-21. (See NOTE B2)							
P7.16	Flame retarded plastic parts > 25 g in covers / housings are marked according ISO 1043-4: Marking:							
P7.17	Alt. 1: Chemical specifications of flame retardants in printed circuit boards > 25 g (without components): TBBPA (additive) , TBBPA (reactive) (See NOTE B3), Other; chemical name: , CAS #:							
	Alt. 2: Chemical specifications of flame retardants in printed circuit boards (without components) > 25 g according ISO 1043-4:							
P7.18	Alt. 1: Flame retarded plastic parts > 25 g contain the following flame retardant substances/preparations in concentrations above 0,1%: 1. Chemical name: , CAS #: (See NOTE B4) 2. Chemical name: , CAS #: " 3. Chemical name: , CAS #: "							
	Alt. 2: Chemical specifications of flame retardants in plastic parts > 25 g according ISO 1043-4:							
P7.19	In plastic parts > 25 g, flame retardant substances/preparations above 0,1% are used which have been assigned the following Risk phrases; and Hazard statements: The source(s) for these classifications is/are found at (add URL(s)): , (See NOTE B5)							

GENERAL NOTE Standard references should direct to the latest version of a standard. If an older version of a standard is used, section P15 shall be used for explanation.

NOTE B2 IEC 61249-2-21 defines maximum limits of 900 ppm for each of the substances chlorine and bromine and a maximum limit of 1500ppm of these substances combined. The standard does not address fluorine, iodine and astatine which are included in the group of halogens.

NOTE B3 and B4 A Guidance document on Chemical substances is available;

 $see \ \underline{http://www.ecma-internationl.org/publications/standards/Ecma-370.htm}.$

NOTE B5 If a certain substance has been assigned a certain risk phrases / hazard statement in the referenced source, this does not necessarily mean the substance has been tested for all of the hazards referred to by a certain customer.

Model num	nber *	TJ-4422	?TN						Logo				
Issue date	*	5/July/	2024										
Product o	nvironm	ental att	rihutes - M:	arket re	quirements (c	ontin	ued)			Ren	uirei	ment	met
Item		entar atti	i ibutes - ivi	arket re	quirements (c	,Ontin	ueuj				Yes	No	n.a.
Itom	Material a	nd subst	ance require	monte (continued)						100	110	m.u.
P7.20*						41	dust (Cas NOTE	DC).			$\overline{}$		$\overline{}$
1 7.20	Posiconsu	imer recyc	cied piastic m	iateriai co	ntent is used in	tne pro	oduct (See NOTE	во):			ш		ш
	If YFS: at	least one	of the two alt	ernatives	below shall be	answer	ed.						
	,						eled plastic materia	al content	(calculate	ed as a			
			total plastic b			,	•		•				
	or												
D= 0.14			ecycled mate		g.								_
P7.21*	21* Biobased plastic material content is used in the product (See NOTE B7):												
	If YES; at	least one	of the two alt	ernatives	below shall be	answer	·ed;						
					the biobased pla	astic ma	aterial content (ca	culated a	as a perce	entage of			
		plastic by	weight) is	%.									
	or b) The v	voight of t	he biobased	nlastic m	atorial is	,							
P7.22*					ess than 0,1 mg/	/lamn							
			pecify: Numb				m mercury conten	t per lam	p: r	mg		ш	ш
P8	Batteries		-				<u> </u>						
P8.1*	Battery ch	emical co	mposition:										
		Compone	nt	1	Material		CAS No.	Content	: (%)				
	Po	sitive elect	rode	Manga	anese dioxide		1313-13-9	12 - 50					
	Ne	gative elec	trode	Lith	Lithium metal		7439-93-2 0.5 -		6				
				1,2-dim	1,2-dimethoxyethane		110-71-4	-4 1.5 - 3.					
		Electrolyt	:e	Lithium Perchlorate			7791-03-9	0.2 - 0).7				
				Organ	anic electrolyte		-	2.5 -					
	Others(Steel or Pla	astic parts)		Steel	7439	9-89-6, 7440-47-3	30 - 8					
Do	· ·				ypropylene		9003-07-0	0.5 - 1	LO				
P9			on (See NOT										
P9.1	For the pro	oduct the	following pow	er levels	or energy consu	umptior	ns are reported:						
Energy mod	de *		Power le		Power leve				erence/St		r er	nergy	
			100 V	AC	115 V AC)	230 V AC modes		des and te	est method *			
Sleep mode			W		W		W						\boxtimes
STAR® Op		lode											
(OM) produ Standby/off			W		W		2.436 W)M				
ENERGY S		ational	VV		VV		2.430 VV		1111				Ш
Mode (OM)													
TEC value			kWh	/week	kWh/week		kWh/week						\boxtimes
TEC produc													
Energy Consumption)													
		W		W		W							
		W		W		W							
		W		W		W							
		W		W		W							
			W		W		W						
			W		W		W						
External Po	wer Supply	/ Efficienc	y Level (Inter	rnational	Efficiency Marki	ng Prot	tocol) *: VI						
Print/Scan	Print/Scan Speed 14 ips @ 203 DPi* : 34.67 images per minute												

Default time to enter energy save mode:

P9.2*

minutes

Information about the energy save function is provided with the product.

Applies to a product containing plastic parts whose combined weight exceeds 100 g with the exception of printed circuit boards, cables, connectors and electronic components and bio-based plastic material.

NOTE B7 The following is to be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors and electronic components and postconsumer recycled plastic.

NOTE B8 A Guidance document on Energy efficiency is available;

see http://www.ecma-international.org/publications/standards/Ecma-370.htm.

Model number *	TJ-4422TN	Logo	
Issue date *	5/July/2024		

Product	environmental a	attributes - Mark	et require	ments (co	ntinued)				Require	ment	met
Item									Yes	No	n.a.
P10	Emissions										
	Noise emission	- Declared accordi	ng to ISO 9	296 (See NO	OTE B9)						
P10.1	Mode	Mode description		,		pper limit	A-weigh	ted sound power	level,		
	Idle	*			*						
	Operation	*			*						H
	Other mode										
	Measured accord	ding to: ISO 777	9 ECM	A-74							
	Modedied decer	ang to. En 100 111		ther	(only if not co	overed by	/ FCMA	-74)			
	Chemical emissions from printing products (See NOTE B10)										
P10.2*	Test performed a	according to ECMA-	328 Determ	ination of Ch	hemical Emis	sion Rate	s from F	lectronic			
1 10.2	•	IEC 28360), oth		iniduon or or	Torribar Ermo	olon rate	o nom L	21001101110		ш	ш
P10.3		rate (operation pha		n)·							$\overline{}$
1 10.0	rypiodi cirilocion	rate (operation pria	50) 15 (111g/1	1).							ш
	Electrophotograp	hic devices: Ozone	Dι	ıst	Styrene	Benz	ene	TVOC			
	Ink devices:			ust	Styrene	Benz	ene	TVOC			Ħ
	NOTE: complian	oo with mavimum o	minaian rata	oo in ooo lab	ala ta ha daal	arad in D	1.1				
P11		ce with maximum en aterials for printing		es in eco iabi	els to be deci	ared in P	14.				
P11.1*		neet (SDS) is availa		nk/topor pror	paration over	a if not lo	nally roa	uirod (soo P4 3)			
	,	,					, , ,	,		<u> </u>	
P11.2*	EN 12281.	post-consumer rec	•			at it mee	is the re	quirements of		<u> </u>	
P11.3*	· · · /	printing/copying is a		<u> </u>							\boxtimes
P11.4*	The product is de	elivered to end-user	with defaul	t auto-duple:	x enabled.						\boxtimes
P13	Packaging and										
P13.1*	Product packagir	ng material type(s): ng material type(s): ng material type(s):	PÉ	weight (k weight (k weight (k	g):						
P13.2*	Product plastic p	rimary packaging is	free from F	VC.						\boxtimes	
P13.3*		ary corrugated fiber ered fiber content:	board pack %		fy the contain	ed percei	ntage of	minimum post-			\boxtimes
P13.4*	Specify media fo	r user and product o	documentat	ion (tick box)):						
P13.5		aper , Other	nor docume	entation uses	4/						
F 13.3	User and product If Yes, please sp	t documentation on	paper med	ia is chlorine	e-free:						
	Totally chlorine-f	ree									
	Elemental chloring	ne-free									
	Processed chlori	ne-free									
P14	Voluntary progr	ams:									
P14.1		ts the requirements	of the follo	wing volunta	ry program(s):					
	ENERGY STAR© Eco-label: Eco-label:	Criteria	a version: a version: a version	3.0	Date: 2020 Date: Date:		Product	category: Printe	er		

NOTE B9 A Guidance document on Acoustic Noise is available;

 $see \ \underline{http://www.ecma-international.org/publications/standards/Ecma-370.htm}.$

NOTE B10 A Guidance document on Chemical Emissions is available;

see http://www.ecma-international.org/publications/standards/Ecma-370.htm.

Model number *	TJ-4422TN	Logo	
Issue date *	5/July/2024		

Produc	Product environmental attributes - Market requirements (concluded)						
P15	Additional information (See NOTE B11)						

NOTE B11 Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.

Legal references Europe Annex B1

Reference	Declaration item
Directive 2011/65/EU (RoHS Directive) * * Specific exemptions apply for certain products and applications.	P1.1, P3.1, P4.1
Commission Regulation (EC) 1907/2006 (REACH Regulation), annex XVII	P1.2, P1.4, P1.6, P1.7, P4.2
Commission Regulation (EC) 1907/2006 (REACH Regulation), annex VII	P1.10
Commission Regulation (EC) 1907/2006 (REACH Regulation), Article 31, annex II)	P4.3
Commission Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000, (Marketing and use of Ozone layer depleting substances)	P1.3, P5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
Directive 2006/66/EC (Battery and accumulators Directive), as amended.* * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator.	P2.1, P2.2, P2.3, P8.1
Directive 2014/35/EU (Low Voltage Directive)	P3.1
Directive 2014/30/EU (EMC Directive)	P3.1
Directive 2014/53/EU (RE Directive)	P3.1
Commission Regulation (EC) No 1275/2008 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for standby and off mode electric power consumption of electrical and electronic household and office equipment (Standby Regulation)	P3.1, P3.2, P9.1
Commission Regulation (EC) 801/2013 amending Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation (EC) No 642/2009 with regard to ecodesign requirements for televisions	
Commission Regulation (EC) No 278/2009 of 6 April 2009 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for no-load condition electric power demand and average active efficiency of external power supplies	P3.1, P3.2, P9.1
Commission Regulation (EC) 1272/2008 (CLP Regulation)	P4.3, P7.19
Directive 2004/12/EC (Packaging Directive)	P5.1
Decision 97/129/EC (Secondary packaging legislation)	P5.2

I	Directive 2012/19/EU (WEEE directive)	P6.1
	Implementing Regulation (EU) 2019/290 establishing the format for registration and reporting of producers of electrical and electronic equipment to the register.	
	Commission Implementing Regulation 2017/699 establishing a common methodology for the calculation of the weight of electrical and electronic equipment (EEE) placed on the national market in each Member State and a common methodology for the calculation of the quantity of waste electrical and electronic equipment	
I	(WEEE) generated by weight in each Member State.	