

Aluminium Electrolytic Capacitor

Material Data Sheet

Product Class	Snap-in capacitors	
Date	2019.09.12	
IMDS ID if available		
Version	09	
		Remark: This material datasheet is valid for the part numbers contained in the Data Book 2015-19. In case of special (B4****S****) or obsolete capacitors please contact our sales department.

Product Part (IMDS: semi component)	Material Class (IMDS: Material)	Material (Classification) VDA 231	Substance	TMPS**) [wt%]	CAS if applicable	typical mass of material [wt-%]	Traces see 1)
Active Part	Light Metals	1B	Aluminium	100	7429-90-5	44	
	Acids, Bases, Salts	6F	Ethylene glycol	80	107-21-1	25	
	Acids, Bases, Salts	6F	Others*)	20	-	25	
	Thermoplastics	2A	Polypropylene	100	9003-07-0	0.1	
	Paper, cardboard	5C	Cellulose	100	9004-34-6	11.9	
Encapsulation	Light Metals	1B	Aluminium	100	7429-90-5	11	
	Paper, Cardboard	5C	Cellulose	56	9004-34-6	0.0	
	Duromer	2D	Phenolic plastic	44	-	2.6	
	Elastomer	2B	EPDM rubber	41.5	25038-36-2		
	Inorganic, solid	4A	Silicon dioxide	13 763			
	Inorganic, solid	4A	Kaolinite	28.5	1318-74-7	1.2	
	Lubricant	6B	Paraffin	10.5	8012-95-1		
	-	-	Others*)	6.5	-		
	Thermoplastics	2A	PTFE***) or Polypropylene***)	100	9002-84-0 9003-07-0	0.2	
	Thermoplastics	2A	Polyvinyl chloride or Polyethylene terephthalate or without insulation	90	9002-86-2 25038-59-9	3.0	
			Others*)	10	-		
Termination	Iron and Steel	1A	Iron	100	7439-89-6	1	
	Heavy Metals	1C	Copper	100	7440-50-8	<0.1	
	Heavy Metals	1C	Tin	100	7440-31-5	<0.1	

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sizes []	weight range []	size []	weight range []	sizes []	weight range []	sizes []	weight range []	part numbers	
22×20	8.6	25.4×20	12.5	30×20	15.3	35×20	22.3	B41231 B43231 B43232 B43258	
22×25	10.4	25.4×25	15.6	30×25	18.9	35×25	27.5	B41252 B43252	
22×30	12.8	25.4×30	18.9	30×30	23.2	35×30	33.2	B43254 B43256 B41848 B43255	
22×35	15.2	25.4×35	22.6	30×35	27.5	35×35	39.5	B43260 B43261	
22×40	17.8	25.4×40	26.1	30×40	31.6	35×40	45.9	B43268	
22×45	20.4	25.4×45	29.5	30×45	35.0	35×45	53.4		
22×50	25.4	25.4×50	32.7	30×50	41.0	35×50	59.9		
22×55	30.5	25.4×90	57.5	30×60	48.1	35×55	67.2		

Not Part of a Product Class

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 $^{\star})$ others: .(not declarable or prohibited substances acc. GADSL)

Important remarks:

- The declaration limit is 0.1% as defined by IEC 62474 (IEC PAS 61906). Traces are
 product parts, substances etc. that are below a percentage of 0.1 % by weight, if not
 otherwise regulated.
- This Material Data Sheet contains typical values of the respective products set forth herein. We expressly point out that all values and statements contained herein are based on our best present knowledge and cannot be regarded as binding statements or binding product specifications, unless otherwise explicitly agreed in writing. TDK ELECTRONICS AG AND ITS AFFILIATES HEREBY EXPRESSLY DISCLAIM ANY REPRESENTATION OR WARRANTY, WHETHER EXPRESS, IMPULED OR STATUTORY, WITH REGARD TO THE STATEMENTS AND VALUES CONTAINED HEREIN, INCLUDING BUT NOT LIMITED TO ANY REPRESENTATION OR WARRANTY OF MERCHANTABILITY OR SUITABILITY FOR ANY PURPOSE.

The products set forth herein are "RoHS-compatible". RoHS-compatible means that products are compatible with the requirements according to Art. 4 (substance restrictions) of Directive 2011/65/EU of the European Parliament and of the Council of June 8th, 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

^{**)} typical mass percentage of substance

^{***)} not all capacitor contains PTFE or PP on the cover disc as coating



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