


MATERIAL DECLARATION SHEET



Material Number	SM91243L			
Product Line	Power transformer			
Compliance Date	2024-4-28			
RoHS Compliant	YES	MSL	1	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Compositions\Substances	CASRN (if applicable)	Composition Mass %	Composition Mass % of total unit wt.	Material mass of total wt. (%)
1	Core	Mn-Zn ferrite	0.5704	Ferric oxide	1309-37-1	71	18.8190	26.5057
				Trimanganese tetraoxide	1317-35-7	24	6.3614	
				Zinc oxide	1314-13-2	5	1.3253	
2	Bobbin	DAP-GF30	0.396	DAP resin	25035-78-3	25	4.6004	18.4016
				Aluminium hydroxide	21645-51-2	45	8.2807	
				Glass fiber	65997-17-3	30	5.5205	
3	Pin	Phosphor bronze alloys	0.0701	Copper	7440-50-8	93.45	3.0441	3.2575
				Tin	7440-31-5	6.25	0.2036	
				Phosphorus	7723-14-0	0.2	0.0065	
				Iron	7439-89-6	0.1	0.0033	
		Nickel plating	0.00005	Nickel	7440-02-0	100	0.0023	0.0023
Tin plating	0.00022	Tin	7440-31-5	100	0.0102	0.0102		
4	Wire	Copper	0.05149	Copper	7440-50-8	100	2.3927	2.3927
		PUR	0.00851	Modified polyurethane	Proprietary	100	0.3954	0.3954
5	Tape	PI tape	0.0853	Kapton	60842-76-4	40	1.5855	3.9638

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				Silicon rubber	63394-02-5	60	2.3783	
6	Over molding	PA10T/X-GF35FR(40)	0.9543	Poly(iminocarbonyl-1,4-phenylenecarbonylimino-1,10-decanediyl)	24938-74-7	48	21.2856	44.3450
				Glass fiber	65997-17-3	35	15.5208	
				Further Additives	Not to declare	1	0.4435	
				Phosphinic acid, diethyl-, aluminum salt (9CI)	225789-38-8	16	7.0952	
6	Glue	Acrylates copolymer	0.00072	Acrylates copolymer	25133-97-5	100	0.0335	0.0335
7	Soder	Tin-antimony alloy	0.0125	Tin	7440-31-5	90	0.5228	0.5809
				Antimony	7440-36-0	10	0.0581	
8	Soder	Tin-copper alloy	0.0024	Tin	7440-31-5	99.3	0.1107	0.1115
				Copper	7440-50-8	0.7	0.0008	
		Total weight	2.15					

This Document was updated on: 2024-04-28

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.