


MATERIAL DECLARATION SHEET



Material Number	SM91604L			
Product Line	LAN Transformers			
Compliance Date	2023-05-16			
RoHS Compliant	YES	MSL	1	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material/Substances	CAS RN(if applicable)	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Core	Mn-Zn ferrite core	1.2464	Ferric oxide	1309-37-1	52.9	8.8861	16.7978
				Zinc oxide	1314-13-2	13.6	2.2845	
				Manganese oxide	1317-35-7	32.3	5.4257	
				[2.2]Paracyclophane	1633-22-3	1.2	0.2016	
		Ni-Zn ferrite core	0.6152	Ferric oxide	1309-37-1	52.6	4.3611	8.2911
				Zinc oxide	1314-13-2	11	0.9120	
				Nickelous oxide	1313-99-1	33.5	2.7775	
				Cupric oxide	1317-38-0	2.2	0.1824	
2	Wire	Yellow insulated wire	0.1761	[2.2]Paracyclophane	1633-22-3	0.7	0.0580	2.3733
				Copper	7440-50-8	50.45	1.1973	
				Polyurethane	9017-09-8	1.98	0.0470	
				Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether))	26655-00-5	47.07	1.1171	
		Green insulated wire	0.1761	Yellow masterbatch	secret	0.5	0.0119	2.3733
				Copper	7440-50-8	50.45	1.1973	
				Polyurethane	9017-09-8	1.98	0.0470	
				Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether))	26655-00-5	47.07	1.1171	
		Black insulated wire	0.1761	Green masterbatch	secret	0.5	0.0119	2.3733
				Copper	7440-50-8	50.45	1.1973	
				Polyurethane	9017-09-8	1.98	0.0470	
				Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether))	26655-00-5	47.07	1.1171	

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				Black masterbatch	secret	0.5	0.0119	
				Copper	7440-50-8	50.45	1.1973	2.3733
				Polyurethane	9017-09-8	1.98	0.0470	
				Poly(tetrafluoroethylene-co-perfluoro(propylvinyl ether))	26655-00-5	47.07	1.1171	
				Red masterbatch	secret	0.5	0.0119	
3	Case	DiallylPhthalate Molding Compound	2.7686	DAP resin	25035-78-3	25	9.3282	37.3127
				Aluminum Trihydroxide	21645-51-2	45	16.7907	
				Glass Fiber	65997-17-3	30	11.1938	
4	Terminal PIN	Phosphor Bronze Alloys	0.7330	Copper	7440-50-8	93.45	9.2316	9.8787
				Tin	7440-31-5	6.25	0.6174	
				Phosphorus	7723-14-0	0.2	0.0198	
				Iron	7439-89-6	0.1	0.0099	
		Tin plating	0.0454	Tin	7440-31-5	100	0.6116	0.6116
Nickel plating	0.0136	Nickel	7440-02-0	100	0.1836	0.1836		
5	Silicone Rubber	Silicone Rubber	1.2524	Silicone Rubber	63394-02-5	55	9.2833	16.8787
				Silicon dioxide	14808-60-7	44	7.4266	
				Carbon black	1333-86-4	1	0.1688	
6	Solder	Tin-silver-copper alloy	0.0410	Tin	7440-31-5	96.5	0.5332	0.5526
				Silver	7440-22-4	3	0.0166	
				Copper	7440-50-8	0.5	0.0028	
		Total weight	7.4200					

This Document was updated on: 2023-05-16

Important remarks:

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