


MATERIAL DECLARATION SHEET



Material Number	PF-FB1 Series (50~150A)			
Product Line	Power Fuses			
Compliance Date	2022/03/01			
RoHS Compliant	Yes	MSL	1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Fuse element plate	Silver	1.4232	Silver	7440-22-4	100%	1.148%	1.1480%
2	Inner cap-base	Copper	7.093125	Copper	7440-50-8	100%	5.722%	5.7218%
3	Inner cap-plating	Tin plating	0.181875	Tin	7440-31-5	100%	0.147%	0.1467%
4	Outer cap-base	Copper alloy	14.75232	Copper	7440-50-8	68%	8.092%	11.9002%
				Zinc	7440-66-6	32%	3.808%	
5	Outer cap-plating	Tin plating	0.11148	Tin	7440-31-5	100%	0.090%	0.09002%
6	Solder	Sn/Cu solder	0.5	Sn	7440-31-5	96.6253%	0.389%	0.4033%
				Cu	7440-50-8	2.275%	0.009%	
				Rosin	8050-09-7	1.1%	0.004%	
7	Terminal-base	Copper	35.87928	Copper	7440-50-8	100%	28.942%	28.9425%
8	Terminal-plating	Tin plating	0.08992	Tin	7440-31-5	100%	0.073%	0.0725%
9	Rivet-base	Copper alloy	1.28945	Copper	7440-50-8	67%	0.697%	1.0402%
				Lead	7439-92-1	0.05%	0.001%	
				Zinc	7440-66-6	32.9425%	0.343%	
				Cadmium	7440-43-9	0.0075%	0.000%	
10	Rivet-plating	Tin plating	0.00155	Tin	7440-31-5	100%	0.001%	0.0013%

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No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
11	Ceramic tube	Ceramic	56.054	Aluminum oxide	11092-32-3	95%	42.956%	45.2168%
				Calcium carbonate	471-34-1	5%	2.261%	
12	Marking Ink	Marking ink (dry)	0.00068	Synthetic epoxy resin	25068-38-6	40.1%	0.00020%	0.0005%
				Pigment	Confidential	17.9%	0.00009%	
				Pigment-carbon black	1333-86-4			
				Pigment-titanium dioxide	13463-67-7			
				Polydimethylsiloxane	63148-62-9	3.2%	0.00002%	
Polyamide resin	68410-23-1	38.8%	0.00019%					
13	Quartz sand	Silica sand	6	Tridymite silica	15468-32-3	100%	4.840%	4.8400%
14	Paper	Paper	0.4804	Silicified Microcrystalline Cellulose	9004-34-6	5.25%	0.020%	0.3875%
				Cellulose	65996-61-4	89.5%	0.346%	
				Misc., not to declare	--	5.25.%	0.020%	
15	Sodium silicate	Sodium Silicate	0.11	Sodium silicate	1344-09-8	100%	0.0887%	0.0887%
		Total Weight	123.96728					

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Important remarks: It is the responsibility of the user to verify they are accessing the latest version.