


# MATERIAL DECLARATION SHEET



Material Number	PF-FB1 Series (160~400A)			
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	4.2696	Silver	7440-22-4	100%	1.602%	1.6022%
2	Inner cap-base	Copper	13.23465	Copper	7440-50-8	100%	4.966%	4.9663%
3	Inner cap-plating	Tin plating	0.33935	Tin	7440-31-5	100%	0.127%	0.1273%
4	Outer cap-base	Copper alloy	34.11405	Copper	7440-50-8	68%	8.705%	12.8015%
				Zinc	7440-66-6	32%	4.096%	
5	Outer cap-plating	Tin plating	0.21455	Tin	7440-31-5	100%	0.081%	0.0805%
6	Solder	Sn/Cu solder	0.6	Sn	7440-31-5	96.6253%	0.217%	0.2251%
				Cu	7440-50-8	2.275%	0.005%	
				Rosin	8050-09-7	1.1%	0.000%	
7	Terminal-base	Copper	67.99339	Copper	7440-50-8	100%	25.515%	25.5146%
8	Terminal-plating	Tin plating	0.17041	Tin	7440-31-5	100%	0.064%	0.0640%
9	Rivet-base	Copper alloy	1.28945	Copper	7440-50-8	67%	0.324%	0.4839%
				Lead	7439-92-1	0.05%	0.000%	
				Zinc	7440-66-6	32.9425%	0.159%	
				Cadmium	7440-43-9	0.0075%	0.000%	
10	Rivet-plating	Tin plating	0.00155	Tin	7440-31-5	100%	0.001%	0.0006%

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11	Ceramic tube	Ceramic	129.8507	Aluminum oxide	11092-32-3	95%	46.290%	48.7267%
				Calcium carbonate	471-34-1	5%	2.436%	
12	Marking Ink	Marking ink (dry)	0.0009	Synthetic epoxy resin	25068-38-6	40.1%	0.00012%	0.0003%
				Pigment	Confidential	17.9%	0.00005%	
				Pigment-carbon black	1333-86-4			
				Pigment-titanium dioxide	13463-67-7			
				Polydimethylsiloxane	63148-62-9	3.2%	0.00096%	
Polyamide Resin	68410-23-1	38.8%	0.00012%					
13	Quartz sand	Silica sand	13	Tridymite silica	15468-32-3	100%	4.878%	4.8783%
14	Paper	Paper	1.069	Silicified Microcrystalline Cellulose	9004-34-6	5.25%	0.021%	0.4011%
				Cellulose	65996-61-4	89.5%	0.359%	
				Misc., not to declare	--	5.25%	0.021%	
15	Sodium silicate	Sodium Silicate	0.34	Sodium Silicate	1344-09-8	100%	0.1276%	0.1276%
		Total Weight	266.4876					

**This Document was updated on:** 2022/03/01

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