

MATERIAL DECLARATION SHEET



Material Number	PF-MB1 Series		
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 piece-base	Copper	0.307791	Copper	7440-50-8	100%	0.96%	0.96%
2	Fuse element piece-plating	Tin Plating	0.003109	Tin	7440-31-5	100%	0.01%	0.01%
3	Inner cap-base	Copper	3.082563	Copper	7440-50-8	100%	9.62%	9.621%
	Inner cap-plating	Tin Plating	0.095337	Tin	7440-31-5	100%	0.30%	0.297%
4	Outer cap-base	Copper	4.267612	Copper	7440-50-8	100%	13.32%	13.32%
5	Outer cap-plating	Tin Plating	0.131988	Tin	7440-31-5	100%	0.41%	0.412%
6	Lead wire-base	Copper	12.7622	Copper	7440-50-8	100%	39.83%	39.832%
7	Lead wire-plating	Tin plating	0.0641	Tin	7440-31-5	100%	0.20%	0.20%
8	Ceramic tube	Ceramic	8.385	Aluminum oxide	1344-28-1	75%	19.63%	26.17%
				Zirconium oxide	1314-23-4	15%	3.93%	
				Silicon Dioxide	7631-86-9-9	7%	1.83%	
				Magnesium oxide	1304-48-4	1.1%	0.29%	
				Phosphorus pentoxide	1314-56-3	0.35%	0.09%	
				Misc., not to declare	-	1.55%	0.41%	

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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. (%)
9	Paper	Paper	0.1355	Silicified Microcrystalline Cellulose	9004-34-6	5.25%	0.02365%	0.423%
				Cellulose	65996-61-4	89.5%	0.4027%	
				Misc, not to declare	--	5.25%	0.2365%	
10	Quartz sand	Silica sand	2.215	Tridymite Silica	15468-32-3	100%	6.91%	6.913%
11	Solder	SnCu solder	0.5894	Tin	7440-31-5	96.3%	1.89%	1.84%
				Copper	7440-50-8	2.3%	0.04%	
				Rosin	8050-09-7	1.4%	0.03%	
12	Marking Ink	Marking ink (dry)	0.0006	Tripropylene glycol diacrylate	68901-05-3	23.0%	0.00046%	0.002%
				2-Methyl-4'-(methylthio)-2-morpholinopropiophenone**	71868-10-5	3.0%	0.00006%	
				Carbon black	1333-86-4	2.0%	0.00004%	
				Magnesium silicate monohydrate	14807-96-6	35.0%	0.0007%	
				2-Hydroxyethyl methacrylate	868-77-9	37.0%	0.00074%	
			Total Weight	32.0402				

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.

**** CAS 71868-10-5 is listed as a SVHC. Total weight is <0.0001% - not declarable due to w/w%**