


MATERIAL DECLARATION SHEET



Material Number	PF-ET1 Series (15~25A)			
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 wire	Silver	0.112	Silver	7440-22-4	100%	1.22%	1.218%
2	Inner cap-base	Copper	1.07173	Copper	7440-50-8	100%	11.66%	11.658%
3	Inner cap-plating	Tin plating	0.02187	Tin	7440-31-5	100%	0.24%	0.238%
4	Outer cap-base	Brass	2.17150	Copper	7440-50-8	68%	16.06%	23.621%
				Zinc	7440-66-6	32%	7.56%	
5	Outer cap-plating	Nickel plating	0.03150	Nickel	7440-02-0	100%	0.34%	0.343%
6	Ceramic tube	Ceramic	4.29	Silicon dioxide	14808-60-7	53.74%	25.08%	46.666%
				Aluminum oxide	1344-28-1	34.48%	16.08%	
				Magnesium oxide	1309-48-4	10.32%	4.82%	
				Misc., not to declare	-	1.46%	0.68%	
7	Quartz sand	Silica sand	0.685	Silicon dioxide	15468-32-3	100%	7.45%	7.451%
8	Solder	SnCu solder	0.096	tin	7440-31-5	96.3%	1.00%	1.044%
				Copper	7440-50-8	2.3%	0.03%	
				Rosin	8050-09-7	1.4%	0.01%	
9	Low melting point alloy	SnCu solder	0.0195	Tin	7440-31-5	97.7%	0.205%	0.212%
				Copper	7440-50-8	0.7%	0.002%	
				Rosin	8050-09-7	1.6%	0.003%	

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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. (%)
10	Paper	Paper	0.05	Silicified Microcrystalline Cellulose	9004-34-6	5.25%	0.0286	0.543%
				Cellulose	65996-61-4	89.5%	0.4868	
				Misc., not to declare	-	5.25%	0.0286	
11	Marking Ink	Marking ink (dry)	0.00045	Synthetic epoxy resin	25068-38-6	40.1%	0.002005	0.005%
				Pigment	Confidential	17.9%	0.000895	
				Carbon black	1333-86-4			
				Titanium dioxide	13463-67-7	3.2%	0.000160	
				Polydimethylsiloxane	63148-62-9			
Polyamide Resin	68410-23-1	38.8%	0.00194					
12	Silicone	Silicone	0.0195	Silicon dioxide	14808-60-7	34%	0.0728	0.214%
				Monovinyl terminated dimethyl (xanthane and polyoxonane)	68083-19-2	20%	0.0428	
				Vinyl MQ resin mixture	68988-89-6	20%	0.0428	
				Dimethyl methyl hydrogen (deoximane and polyxanthane)	68037-59-2	20%	0.0428	
				Aluminum oxide	1344-28-1	6%	0.0128	
13	Terminal-base	Copper	0.5928	Copper	7440-50-8	100%	6.45%	6.448%
14	Terminal-plating	Tin plating	0.0312	Tin	7440-31-5	100%	0.34%	0.339%
		Total Weight	9.19305					

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.