


# MATERIAL DECLARATION SHEET



Material Number	PF-HT1 Series (15~30A)			
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	0.151	Silver	7440-22-4	100%	1.35%	1.350%
2	Inner cap-base	Copper	0.9016	Copper	7440-50-8	100%	8.06%	8.061%
3	Inner cap-plating	Tin plating	0.0184	Tin	7440-31-5	100%	0.16%	0.164%
4	Outer cap-base	Copper	2.3316	Copper	7440-50-8	100%	20.84%	20.845%
5	Outer cap-plating	Nickel plating	0.0684	Nickel	7440-02-0	100%	0.61%	0.611%
6	Ceramic tube	Ceramic	4.29	Silicon dioxide	14808-60-7	53.74%	20.61%	38.354%
				Aluminum oxide	1344-28-1	34.48%	13.22%	
				Magnesium oxide	1309-48-4	10.32%	3.96%	
				Misc, not declarable	-	1.46%	0.56%	
7	Quartz sand	Silica sand	2.25	Silicon dioxide	15468-32-3	100%	20.12%	20.116%
8	Solder	SnCu solder	0.39682	Tin	7440-31-5	96.3%	3.42%	3.548%
				Copper	7440-50-8	2.3%	0.08%	
				Rosin residue	8050-09-7	1.4%	0.05%	
9	Low melting point alloy	SnCu solder	0.055	Tin	7440-31-5	97.7%	0.479%	0.492%
				Copper	7440-50-8	0.7%	0.003%	
				Rosin residue	8050-09-7	1.6%	0.008%	

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**BOURNS®**

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	Cellulose Microcrystalline Cellulose	9004-34-6	5.25%		0.447%
				Cellulose	65996-61-4	89.5%		
				Misc., not to declare	—	5.25%		
11	Marking	Marking ink (dry)	0.0006	Synthetic epoxy resin	25068-38-6	40.1%		0.004%
				Pigment	Confidential			
				Carbon black	1333-86-4	17.9%		
				Titanium dioxide	13463-67-7			
				Polyamide Resin	68410-23-1	38.8%		
				Polydimethylsiloxane	63148-62-9	3.2%		
13	Silicone	Silicone	0.048	Silicon dioxide	14808-60-7	34%		0.429%
				Monovinyl terminated dimethyl (xanthane and polyoxonane)	68083-19-2	20%		
				Vinyl MQ resin	68988-89-6	20%		
				Dimethyl methyl hydrogen (deoximane and polyxanthane)	68037-59-2	20%		
				Aluminum oxide	1344-28-1	6%		
14	Terminal-base	Copper	0.5928	Copper	7440-50-8	100%	5.30%	5.300%
15	Terminal-plating	Tin plating	0.0312	Tin	7440-31-5	100%	0.28%	0.279%
		Total Weight	11.18542					

**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.