


MATERIAL DECLARATION SHEET



Material Number	PF-HC1 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%	1.44%	1.443%
2	Inner cap-base	Copper	0.9016	Copper	7440-50-8	100%	8.62%	8.615%
3	Inner cap-plating	Tin plating	0.0184	Tin	7440-31-5	100%	0.18%	0.176%
4	Outer cap-base	Copper	2.3316	Copper	7440-50-8	100%	22.28%	22.281%
5	Outer cap-plating	Nickel plating	0.0684	Nickel	7440-02-0	100%	0.65%	0.654%
6	Ceramic tube	Ceramic	4.29	Silicon dioxide	14808-60-7	53.74%	22.03%	40.995%
				Aluminum oxide	1344-28-1	34.48%	14.14%	
				Magnesium oxide	1309-48-4	10.32%	4.23%	
				Misc., not to declare	-	1.46%	0.60%	
7	Quartz sand	Silica sand	2.25	Tridymite silica	15468-32-3	100%	21.50%	21.501%
8	Solder	SnCu solder	0.3	Tin	7440-31-5	96.3%	2.76%	2.867%
				Copper	7440-50-8	2.3%	0.07%	
				Rosin	8050-09-7	1.4%	0.04%	
9	Low melting point alloy	SnCu solder	0.055	Tin	7440-31-5	97.7%	0.518%	0.526%
				Copper	7440-50-8	0.7%	0.004%	
				Rosin	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	Silicified Microcrystalline Cellulose	9004-34-6	5.25%	0.0251%	0.478%
				Cellulose	65996-61-4	89.5%	0.4278%	
				Misc., not to declare	--	5.25%	0.0251%	
11	Marking Ink	Marking ink (dry)	0.0006	Synthetic epoxy resin	25068-38-6	40.1%	0.002%	0.005%
				Pigment	Confidential	17.9%	0.0009%	
				Pigment-carbon black	1333-86-4			
				Pigment-titanium dioxide	13463-67-7			
				Polyamide Resin	68410-23-1	38.8%	0.00194%	
Polydimethylsiloxane	63148-62-9	3.2%	0.0016%					
14	Silicone	Silicone	0.048	Silicon dioxide	14808-60-7	34%	0.15606%	0.459%
				Monovinyl terminated dimethyl (xanthane and polyoxonane)	68083-19-2	20%	0.00918%	
				Vinyl MQ resin mixture	68988-89-6	20%	0.00918%	
				Dimethyl methyl hydrogen (deoximane and polyxanthane)	68037-59-2	20%	0.00918%	
				Aluminum oxide	1344-28-1	6%	0.02754	
		Total Weight	10.4646					

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