


MATERIAL DECLARATION SHEET



Material Number	PF-KB1 Series (20~50A)			
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	0.3177	Silver	7440-22-4	100%	2.625%	2.625%
2	Inner cap-base	Copper	1.1109	Copper	7440-50-8	100%	9.178%	9.178%
3	Inner cap-plating	Tin plating	0.0227	Tin	7440-31-5	100%	0.188%	0.188%
4	Outer cap-base	Copper	4.688653	Copper	7440-50-8	100%	38.736%	38.736%
5	Outer cap-plating	Nickel plating	0.137547	Nickel	7440-02-0	100%	1.136%	1.136%
6	Ceramic tube	Ceramic	4.29	Silicon dioxide	14808-60-7	53.74%	19.047%	35.443%
				Aluminum oxide	1344-28-1	34.48%	12.221%	
				Magnesium oxide	1309-48-4	10.32%	3.658%	
				Misc., not to declare	-	1.46%	0.517%	
7	Quartz sand	Silica sand	1.38	Tridymite Silica	15468-32-3	100%	11.401%	11.401%
8	Solder	SnCu solder	0.018	Tin	7440-31-5	96.723%	0.144%	0.149%
				Copper	7440-50-8	2.277%	0.003%	
				Rosin	8050-09-7	1%	0.001%	
9	Low melting point alloy	SnCu solder	0.055	Tin	7440-31-5	97.7%	0.444%	0.454%
				Copper	7440-50-8	0.7%	0.003%	
				Rosin	8050-09-7	1.6%	0.007%	

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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%	0.0217	0.413%
				Cellulose	65996-61-4	89.5%	0.3696	
				Misc., not to declare	-	5.25	0.0217	
11	Marking Ink	Marking ink (dry)	0.0006	Synthetic epoxy resin	25068-38-6	40.1%	0.0016	0.004%
				Pigment	Confidential	17.9%	0.0007	
				Pigment-carbon black	1333-86-4			
				Pigment-titanium dioxide	13463-67-7			
				Polyamide resin	68410-23-1	38.8%	0.0016	
Polydimethylsiloxane	63148-62-9	3.2%	0.0001					
12	Silicone	Silicone	0.033	Silicone dioxide	14808-60-7	34%	0.0928	0.273%
				Monovinyl terminated dimethyl (xanthane and polyoxonane)	68083-19-2	20%	0.0546	
				Vinyl MQ resin mixture	68988-89-6	20%	0.0546	
				Dimethyl methyl hydrogen (deoximane and polyxanthane)	68037-59-2	20%	0.0546	
				Aluminum oxide	1344-28-1	6%	0.0164	
		Total Weight	12.1041					

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