

MATERIAL DECLARATION SHEET

BOURNS®

Material Number	PF-ET1 Series (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	0.112	Silver	7440-22-4	100%	1.22%	1.220%
2	Inner cap-base	Copper	1.07173	Copper	7440-50-8	100%	11.67%	11.671%
3	Inner cap-plating	Tin plating	0.02187	Tin	7440-31-5	100%	0.24%	0.238%
4	Outer cap-base	Base	2.17150	Copper	7440-50-8	68%	16.08%	23.647%
				Zinc	7440-66-6	32%	7.57%	
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%	25.11%	46.716%
				Aluminum oxide	1344-28-1	34.48%	16.11%	
				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%	7.46%	7.459%
8	Solder	SnCu solder	0.096	Tin	7440-31-5	96.3%	1.011%	1.045%
				Copper	7440-50-8	2.3%	0.024%	
				Rosin	8050-09-7	1.4%	0.015%	
9	Low melting point alloy	SnCu solder	0.0096	Tin	7440-31-5	97.7%	0.097%	0.104%
				Copper	7440-50-8	0.7%	0.001%	
				Rosin	8050-09-7	1.6%	0.002%	

MATERIAL DECLARATION SHEET

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%	0.029%	0.545%
				Cellulose	65996-61-4	89.5%	0.487%	
				Misc., not to declare	-	5.25%	0.029%	
11	Marking Ink	Marking ink (dry)	0.00045	Synthetic epoxy resin	25068-38-6	40.1%	0.002005%	0.005%
				Pigment	Confidential			
				Carbon black	1333-86-4	17.9%	0.000895%	
				Titanium dioxide	13463-67-7			
				Polydimethylsiloxane	63148-62-9	3.2%	0.00016%	
				Polyamide resin	68410-23-1	38.8%	0.00194%	
12	Silicone	Silicone	0.0195	Silicon dioxide	14808-60-7	34%	0.0714%	0.212%
				Monovinyl terminated dimethyl (xanthane and polyoxonane)	68083-19-2	20%	0.042%	
				Vinyl MQ resin mixture	68988-89-6	20%	0.042%	
				Dimethyl methyl hydrogen (deoximane and polyxanthane)	68037-59-2	20%	0.042%	
				Aluminum oxide	1344-28-1	6%	0.0126%	
13	Terminal-base	Copper	0.5928	Copper	7440-50-8	100%	6.46%	6.455%
14	Terminal-plating	Tin plating	0.0312	Tin	7440-31-5	100%	0.34%	0.340%
		Total Weight	9.18315					

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.