

# MATERIAL DECLARATION SHEET



Material Number	PF-NT5 Series			
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 piece-base	Copper	0.223898	Copper	7440-50-8	100%	1.254%	1.254%
2	Fuse element piece-plating	Tin	0.002262	Tin	7440-31-5	100%	0.013%	0.013%
3	Inner cap	Copper	1.45956	Copper	7440-50-8	65%	5.315%	8.177%
		Zinc		Zinc	7440-66-6	35%	2.862%	
4	Outer cap-base	Copper	3.193866	Copper	7440-50-8	100%	17.893%	17.893%
5	Outer cap-plating	Nickel	0.081894	Nickel	7440-02-0	100%	0.459%	0.459%
6	Lead wire-base	Copper	4.64112	Copper	7440-50-8	100%	26.002%	26.002%
7	Lead wire-plating	Tin	0.04688	Tin	7440-31-5	100%	0.263%	0.263%
8	Ceramic tube	Ceramic	6.17705	Aluminum oxide	1344-28-1	75%	25.955%	34.606%
				Zirconium oxide	1314-23-4	15%	5.191%	
				Silicon dioxide	7631-86-9	7.0%	2.422%	
				Magnesium oxide	1304-48-4	1.1%	0.381%	
				Phosphorus pentoxide	1314-56-3	0.35%	0.121%	
				Misc not to declare	-	1.55%	0.536%	

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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. (%)
9	Paper	Paper	0.12928	Silicified Microcrystalline Cellulose	9004-34-6	5.25%	0.038%	0.724%
				Cellulose	65996-61-4	89.5%	0.648%	
				Misc., not to declare	--	5.25%	0.038%	
10	Quartz sand	Silica sand	1.338	Tridymite silica	15468-32-3	100%	7.496%	7.496%
11	Solder	SnCu solder	0.555	Tin	7440-31-5	96.3%	2.994%	3.109%
				Copper	7440-50-8	2.3%	0.072%	
				Rosin	8050-09-7	1.4%	0.043%	
12	Marking Ink	Marking ink (dry)	0.0006	Tripropylene glycol diacrylate	68901-05-3	23.0%	0.0007%	0.003%
				2-Methyl-4'-(methylthio)-2-morpholinopropiophenone**	71868-10-5	3.0%	0.0001%	
				Carbon black	1333-86-4	2.0%	0.0001%	
				Magnesium silicate monohydrate	14807-96-6	35.0%	0.0010%	
				2-Hydroxyethyl methacrylate	868-77-9	37.0%	0.0011%	
			Total Weight	17.84941				

**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.

\*\* CAS 71868-10-5 is listed as a SVHC. Total weight is <0.0001% - not declarable due to w/w%.