

MATERIAL DECLARATION SHEET

BOURNS®

Material Number	PCP300			
Product Line	Current Transformer			
Compliance Date	2025/6/4			
RoHS Compliant	YES	MSL	NA	

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	Core	1J85	15.315	Nickel (Ni)	7440-02-0	80.05	22.2912	27.846
				Manganese (Mn)	7439-96-5	0.50	0.1392	
				Silicon(Si)	7440-21-3	0.20	0.0556	
				Copper (Cu)	7440-50-8	0.15	0.0418	
				Molybdenum(Mo)	7439-98-7	5.00	1.3923	
				Iron (Fe)	7439-89-6	14.10	3.9262	
		Epoxy powder Coating	3.584	Epoxy	61788-97-4	60.0	3.9098	6.517
				Dicyandiamide	461-58-5	5.0	0.3258	
				Pigment Geen 7	1328-53-6	3.0	0.1955	
				Silicon dioxide	7361-86-9	31.0	2.0201	
				1,2-Dimethylimidazole	1739-84-0	1.0	0.0652	
2	Wire	Copper(C11000)	7.93	Copper(Cu)	7440-50-8	99.95	14.413	14.413
				Misc. ,not to declare	\	0.05	0.0073	0.007
		coating	0.163	Polyurethane heat resistance	51852-81-4	77.50	0.2281	0.294
				Polyamide Resin	9009-54-5	22.50	0.0662	

MATERIAL DECLARATION SHEET



3	Case	PBT	2.500	Polybutylene Terephthalate	26062-94-2	100.0	4.5455	4.545
4	Adhesive	E537-A	4.610	Epoxy Resin	25068-38-6	51.1	4.2831	8.382
				Aluminum Trihydrate	21645-51-2	48.0	4.0233	
				Carbon Black	1333-86-4	0.9	0.0754	
		H537-B	1.380	Methyl tetrahydrophthalic anhydride	11070-44-3	98.5	2.4715	2.509
				Silicone oil	63148-62-9	1.5	0.0376	
5	AC Electric Wire	Wire	7.993	Copper (Cu)	7440-50-8	100.0	14.533	14.533
			0.007	Tin (Sn)	7440-31-5	100.0	0.0116	0.011
		Coating	7.500	Aluminium trihydrate	8064-00-4	51.5	7.0227	13.636
				Antioxidant	6683-19-8	0.8	0.1091	
				Polyethylene	9002-88-4	13.0	1.7727	
				Ethylene-vinyl acetate copolymer	24937-78-8	33.7	4.5955	
				Coupling agent	-	1.0	0.1364	
6	Connector Housing	Glass Filled polyester	2.650	Antimony(III) oxide	1309-64-4	100.0	4.818	4.818
7	Connector Terminal	Connector Terminal (C5191)	1.328	Copper (Cu)	7440-50-8	91.42	2.2004	2.417
				Tin (Sn)	7440-31-5	8.40	0.2093	
				Phosphorous	7723-14-0	0.18	0.0046	
		Plating-Ni	0.001	Nickel	7440-02-0	100.0	0.0021	0.002
		Plating-Au	0.026	Gold(Au)	7440-57-5	100.0	0.0473	0.047
8	Solder bar	Tin	0.010	Tin (Sn)	7440-31-5	96.50	0.0175	0.018
				Silver(Ag)	7440-22-4	3.00	0.0005	

MATERIAL DECLARATION SHEET



				Copper(Cu)	7440-50-8	0.50	0.0001	
9	Ink	Ink	0.003	Epoxy	61788-97-4	46.00	0.0025	0.005
				Barium sulfate	7727-43-7	38.00	0.0021	
				Silicon dioxide	14808-60-7	5.00	0.0003	
				Talc	14807-96-6	11.00	0.0006	
		Total weight	55.0					

This Document was updated on: 2025/6/4

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.