

MATERIAL DECLARATION SHEET

BOURNS®

Material Number	ACxxABD/ABH/ABC			
Product Line	Thermal Cut-Off			
Compliance Date	4 August 2023			
RoHS Compliant	Y	MSL		

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass (%) Median	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	AC##ABD	Cover and Base Resin	0.025	Aromatic polyester resin	60088-52-0	59.75%	11.3%-18.8%	25.25%
				Glass fiber	65997-17-3	39.75%	6.3%-13.8%	
				Carbon black	1333-86-4	0.5%	0%-0.3%	
2		Cover Plate	0.010	Carbon	7440-44-0	0.075%	0%-0.015%	10.10%
				Silicon	7440-21-3	0.50%	0%-0.099%	
				Manganese	7439-96-5	1.00%	0%-0.199%	
				Phosphorus	7723-14-0	0.02%	0%-0.004%	
				Sulfur	7704-34-9	0.015%	0%-0.003%	
				Nickel	7440-02-0	7.00%	0.596%-0.795%	
				Chromium	7440-47-3	17.00%	1.590%-1.788%	
3		Arm	0.023	Iron	7439-89-6	74.39%	7.032%-7.749%	23.23%
				Copper	7440-50-8	98.85%	23.28%	
				Magnesium	7439-95-4	0.10%	0.02%	
				Chromium	7440-47-3	0.25%	0.06%	
				Silver	7440-22-4	0.73%	0.17%	
4		Bimetal Disc	0.007	Nickel	7440-02-0	0.07%	0.02%	7.07%
						27.0%	1.91%	

MATERIAL DECLARATION SHEET



				Cobalt	7440-48-4	4.2%	0.30%	
				Chromium	7440-47-3	1.4%	0.10%	
				Manganese	7439-96-5	0.3%	0.02%	
				Iron	7439-89-6	67.1%	4.75%	
5		PTC	0.003	PTC Ceramic body	12047-27-7	99.99%	3.057%	3.03%
				Lead (II) oxide	1317-36-8	0.01% (Impurity)	0.0003%	
7		Base Terminal	0.031	Copper	7440-50-8	99.20%	31.06%	31.31%
				Magnesium	7439-95-4	0.10%	0.03%	
				Chromium	7440-47-3	0.25%	0.08%	
				Nickel	7440-02-0	0.13%	0.04%	
				Silver	7440-22-4	0.32%	0.10%	
		Total weight	0.099					

This Document was updated on:

Important remarks:

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