

# MATERIAL DECLARATION SHEET



Material Number	SW##AAB			
Product Line	Thermal Cut-Off			
Compliance Date	6 April, 2023			
RoHS Compliant	Y	MSL		

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass (%) Median <sup>1</sup>	Material Mass (%) of total unit wt.	Subpart mass of total wt. (%)
1	SW##AAB	Cover and Base Resin	0.010	Poly(thio-1,4-phenylene) <Polyphenylene Sulfide>	25212-74-2	69.0%	20.91%	30.3%
				Potassium octatitanate	59766-31-3	29.5%	8.93%	
				Copper	7440-50-8	0.5%	0.15%	
				Carbon Black	1333-86-4	0.5%	0.15%	
				Additives, not to declare	-	0.5%	0.15%	
2	SW##AAB	Cover Plate	0.008	Carbon	7440-44-0	0.075%	0.02%	24.2%
				Silicon	7440-21-3	0.50%	0.12%	
				Manganese	7439-96-5	1.00%	0.24%	
				Phosphorus	7723-14-0	0.02%	0.006%	
				Sulfur	7704-34-9	0.015%	0.004%	
				Nickel	7440-02-0	7.00%	1.69%	
				Chromium	7440-47-3	17.00%	4.11%	
3	SW##AAB	Arm Terminal	0.002	Iron	7439-89-6	74.39%	18.00%	6.1%
				Copper	7440-44-0	99.65%	6.08%	
				Chromium	7440-47-3	0.25%	0.02%	
4	SW##AAB	Bimetal Disc	0.003	Magnesium	7439-95-4	0.10%	0.01%	9.1%
				Nickel	7440-02-0	27.0%	2.46%	
				Cobalt	7440-48-4	4.2%	0.38%	
				Chromium	7440-47-3	1.4%	0.13%	
				Manganese	7439-96-5	0.3%	0.03%	
				Iron	7439-89-6	67.1%	6.11%	

5	SW##AAB	Arm	0.004	Copper	7440-44-0	92.70%	11.22%	12.1%
				Chromium	7440-47-3	0.23%	0.03%	
				Magnesium	7439-95-4	0.09%	0.01%	
				Silver	7440-22-4	6.28%	0.76%	
				Nickel	7440-02-0	0.70%	0.08%	
6		Base Terminal	0.006	Copper	7440-50-8	98.91%	18.00%	18.2%
				Chromium	7440-47-3	0.25%	0.05%	
				Magnesium	7439-95-4	0.10%	0.02%	
				Silver	7440-22-4	0.35%	0.06%	
				Tin	7440-31-5	0.35%	0.06%	
			Nickel	7440-02-0	0.04%	0.01%		
		Total weight	0.033					

**This Document was updated on: April 6, 2023**

**Important remarks:**

1. The Material Mass column uses some median values for metal alloy %.
2. It is the responsibility of the user to verify they are accessing the latest version.