

# MATERIAL DECLARATION SHEET



Material Number	SDxxABB			
Product Line	Thermal Cut-Off			
Compliance Date	December 6, 2022			
RoHS Compliant	Y	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. (median)	Subpart mass of total wt. (%)
1	Cover and Base Resin	PPS	0.030	Poly(thio-1,4-phenylene) <Polyphenylene Sulfide>	25212-74-2	69.75%	18.68%	26.8%
				Potassium octatitanate	59766-31-3	29.75%	7.97%	
				Copper	7440-50-8	0.50%	0.13%	
2	Cover Plate	Stainless steel SUS301	0.038	Carbon	7440-44-0	0.075%	0.03%	33.9%
				Silicon	7440-21-3	0.50%	0.17%	
				Manganese	7439-96-5	1.00%	0.34%	
				Phosphorus	7723-14-0	0.02%	0.01%	
				Sulfur	7704-34-9	0.015%	0.005%	
				Nickel	7440-02-0	7.00%	2.38%	
				Chromium	7440-47-3	17.00%	5.77%	
				Iron	7439-89-6	74.39%	25.24%	
3	Bimetal Disc	Iron alloy	0.005	Nickel	7440-02-0	27.0%	1.21%	4.5%
				Cobalt	7440-48-4	4.2%	0.19%	
				Chromium	7440-47-3	1.4%	0.06%	
				Manganese	7439-96-5	0.3%	0.01%	

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				Iron	7439-89-6	67.1%	3.00%	
4	Arm	Copper alloy	0.014	Copper	7440-50-8	95.46%	11.93%	12.5%
				Chromium	7440-47-3	0.24%	0.03%	
				Magnesium	7439-95-4	0.10%	0.01%	
				Silver	7440-22-4	3.66%	0.46%	
				Nickel	7440-02-0	0.40%	0.05%	
				Tin	7440-31-5	0.14%	0.02%	
5	Base Terminal	Copper alloy	0.020	Copper	7440-50-8	92.85%	16.58%	17.8%
				Chromium	7440-47-3	0.23%	0.04%	
				Magnesium	7439-95-4	0.09%	0.02%	
				Silver	7440-22-4	6.10%	1.09%	
				Nickel	7440-02-0	0.62%	0.11%	
				Tin	7440-31-5	0.11%	0.02%	
6	PTC	PTC	0.005	Silver	7440-22-4	2.06%	0.09%	4.5%
				Barium Carbonate	513-77-9	58.77%	2.62%	
				Calcium Carbonate	471-34-1	4.60%	0.21%	
				Strontium Carbonate	1633-05-2	4.52%	0.20%	
				Titanium Oxide	13463-67-7	30.05%	1.34%	
		Total weight	0.112					

**This Document was updated on: February 27, 2026**

**Important remarks:**

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