


MATERIAL DECLARATION SHEET



Material Number	FB			
Product Line	Fixed Resistor			
Compliance Date	4/19/2024			
RoHS Compliant		MSL		

FB1-110

No.	Construction Element (Subpart)	Homogeneous Material	Material Weight (g)	Homogeneous Material Substance	CASRN	Material Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)	
1	Fuse JLLN 110A Plated	Silica Sand	17.2300	Crystalline Silica	14808-60-7	99.0000%	2.8311%	2.8597%	
				Aluminum Oxide	1344-28-1	0.8000%	0.0229%		
				Iron Oxide	1309-37-1	0.1000%	0.0029%		
				Titanium Oxide	13463-67-7	0.1000%	0.0029%		
		Tin Slug		0.1320	Tin (Sn)	7440-31-5	100.0000%	0.0219%	0.0219%
		Cap and Blade Assembly-Cap	34.3540		Copper (Cu)	7440-50-8	99.9000%	5.6960%	5.7017%
					Phosphorus (P)	7723-14-0	0.1000%	0.0057%	
		Silver Plating for Cap and Blade	1.7177		Silver	7440-22-4	100.0000%	0.2851%	0.2851%
		Solder Disc	5.0400		Tin (Sn)	7440-31-5	99.3000%	0.8306%	0.8365%
					Copper (Cu)	7440-50-8	0.7000%	0.0059%	
		Support Disc	4.2320		Copper (Cu)	7440-50-8	70.0000%	0.4917%	0.7024%
					Zinc (Zn)	7440-66-6	30.0000%	0.2107%	
					Glass Fiber	65997-17-3	63.0000%	0.9879%	
Body	9.4483		Melamine Formaldehyde Resin	9003-08-1	37.0000%	0.5802%	1.5681%		
			Silver	7440-22-4	100.0000%	0.0896%			
Element	0.5400		Aluminum (Al)	7429-90-5	97.2300%	61.0209%	62.7593%		
			Chromium (Cr)	7440-47-3	0.1950%	0.1224%			
			Copper (Cu)	7440-50-8	0.2750%	0.1726%			
2	Base Terminal	Aluminum-6061-T6511	378.1360	Aluminum (Al)	7429-90-5	97.2300%	61.0209%	62.7593%	
				Chromium (Cr)	7440-47-3	0.1950%	0.1224%		
				Copper (Cu)	7440-50-8	0.2750%	0.1726%		

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	Block Left/Right			Iron (Fe)	7439-89-6	0.3500%	0.2197%	
				Manganese (Mn)	7439-96-5	0.0750%	0.0471%	
				Magnesium (Mg)	7439-95-4	1.0000%	0.6276%	
				Silicon (Si)	7440-21-3	0.6000%	0.3766%	
				Zinc (Zn)	7440-66-6	0.1250%	0.0784%	
				Titanium (Ti)	7440-32-6	0.0750%	0.0471%	
				Misc	Trade secret	0.0750%	0.0471%	
				Tin Plating	0.3480	Tin (Sn)	7440-31-5	
	0.2120	Nickel (Ni)	7440-02-0	100.0000%	0.0352%	0.0352%		
3	Fuse Cover Clear Plastic	Polycarbonate	38.3300	Polycarbonate	25929-04-8	99.0000%	6.2980%	6.3616%
				Additives	Trade secret	1.0000%	0.0636%	
4	Lock Washer, #5/16 Split	Stainless Steel 18-8	2.9980	Iron (Fe)	7439-89-6	71.0950%	0.3538%	0.4976%
				Chromium (Cr)	7440-47-3	18.0000%	0.0896%	
				Nickel (Ni)	7440-02-0	8.0000%	0.0398%	
				Manganese (Mn)	7439-96-5	2.0000%	0.0100%	
				Phosphorus (P)	7723-14-0	0.0450%	0.0002%	
				Sulfur (S)	7704-34-9	0.0300%	0.0001%	
				Carbon (C)	7440-44-0	0.0800%	0.0004%	
				Silicon (Si)	7440-21-3	0.7500%	0.0037%	
5	Hex Nut, 5/16-18	Stainless Steel 18-8	2.7800	Iron (Fe)	7439-89-6	71.0950%	0.3280%	0.4614%
				Chromium (Cr)	7440-47-3	18.0000%	0.0831%	
				Nickel (Ni)	7440-02-0	8.0000%	0.0369%	
				Manganese (Mn)	7439-96-5	2.0000%	0.0092%	
				Phosphorus (P)	7723-14-0	0.0450%	0.0002%	
				Sulfur (S)	7704-34-9	0.0300%	0.0001%	
				Carbon (C)	7440-44-0	0.0800%	0.0004%	
				Silicon (Si)	7440-21-3	0.7500%	0.0035%	
6	Hex Tap, 5/16-18 x 1- 3/4"	Stainless Steel 18-8	36.8400	Iron (Fe)	7439-89-6	71.0950%	4.3470%	6.1143%
				Chromium (Cr)	7440-47-3	18.0000%	1.1006%	
				Nickel (Ni)	7440-02-0	8.0000%	0.4891%	

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				Manganese (Mn)	7439-96-5	2.0000%	0.1223%	
				Phosphorus (P)	7723-14-0	0.0450%	0.0028%	
				Sulfur (S)	7704-34-9	0.0300%	0.0018%	
				Carbon (C)	7440-44-0	0.0800%	0.0049%	
				Silicon (Si)	7440-21-3	0.7500%	0.0459%	
7	Fuse Base, Plastic Molded	Phenolic	52.1200	Polycarbonate	25037-45-0	33.0000%	2.8546%	8.6504%
				Polycarbonate	24936-68-3	33.0000%	2.8546%	
				Fiber Glass	65997-17-3	30.0000%	2.5951%	
				Silicone Element	63148-62-9	2.0000%	0.1730%	
				Carbon Black	1333-86-4	2.0000%	0.1730%	
8	Epoxy Resin w/ Catalyst	50-3150RFRBK	7.9400	Aluminum Hydroxide	21645-51-2	57.2500%	0.7544%	1.3178%
				Phenol	25068-38-6	31.2500%	0.4118%	
				Diethylmethylenediamine	68479-98-1	6.0000%	0.0791%	
				Carbon Black	1333-86-4	0.5000%	0.0066%	
				Confidential Substances	Trade secret	5.0000%	0.0659%	
9	Lock Washer, #3/8 Split	Stainless Steel 18-8	0.7600	Iron (Fe)	7439-89-6	71.0950%	0.0897%	0.1261%
				Chromium (Cr)	7440-47-3	18.0000%	0.0227%	
				Nickel (Ni)	7440-02-0	8.0000%	0.0101%	
				Manganese (Mn)	7439-96-5	2.0000%	0.0025%	
				Phosphorus (P)	7723-14-0	0.0450%	0.0001%	
				Sulfur (S)	7704-34-9	0.0300%	0.0000%	
				Carbon (C)	7440-44-0	0.0800%	0.0001%	
				Silicon (Si)	7440-21-3	0.7500%	0.0009%	
10	Hex Nut, 3/8-16	Stainless Steel 18-8	2.0600	Iron (Fe)	7439-89-6	71.0950%	0.2431%	0.3419%
				Chromium (Cr)	7440-47-3	18.0000%	0.0615%	
				Nickel (Ni)	7440-02-0	8.0000%	0.0274%	
				Manganese (Mn)	7439-96-5	2.0000%	0.0068%	
				Phosphorus (P)	7723-14-0	0.0450%	0.0002%	
				Sulfur (S)	7704-34-9	0.0300%	0.0001%	
				Carbon (C)	7440-44-0	0.0800%	0.0003%	

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				Silicon (Si)	7440-21-3	0.7500%	0.0026%	
11	Hex Nut, 3/8-16x1-3/4"	Stainless Steel 18-8	7.3000	Iron (Fe)	7439-89-6	71.0950%	0.8614%	1.2116%
				Chromium (Cr)	7440-47-3	18.0000%	0.2181%	
				Nickel (Ni)	7440-02-0	8.0000%	0.0969%	
				Manganese (Mn)	7439-96-5	2.0000%	0.0242%	
				Phosphorus (P)	7723-14-0	0.0450%	0.0005%	
				Sulfur (S)	7704-34-9	0.0300%	0.0004%	
				Carbon (C)	7440-44-0	0.0800%	0.0010%	
				Silicon (Si)	7440-21-3	0.7500%	0.0091%	
		Total Weight	602.5180					

This Document was updated on: 6/14/2024

Important remarks:

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