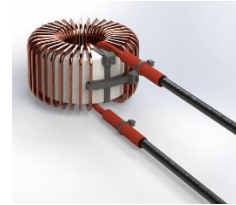


MATERIAL DECLARATION SHEET

BOURNS®

Material Number	153224-000			
Product Line	HPHR Choke			
Compliance Date	24. June 2025			
RoHS Compliant	Yes	MSL	N/A	

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 unit wt.
1	Toroid core, gapped	Ferrite core	559.82	Manganese-Zinc-Ferrite	12645-49-7	100	52.98	53.30
		Epoxy-Adhesive	3.38	Bisphenol A, epichlorohydrin polymer	25068-38-6	43.46	0.14	
				Phenol, formaldehyde, (chloromethyl)oxirane polymer	9003-36-5	14.30	0.05	
				Polypropylene glycol, (chloromethyl)oxirane polymer	9072-62-2	13.97	0.04	
				Titanium dioxide	13463-67-7	0.78	0.003	
				Ammonium-polyphosphate	68333-79-9	24.0	0.08	
				Additives, not to declare	--	3.5	0.01	
2	Enameled wire	Copper wire	385.88	Copper	7440-50-8	100	36.52	37.38
		Insulation Coating	9.13	Polyesterimide	37317-16-1	78.8	0.68	
				Polyamide-imide	31957-38-7	19.7	0.17	
				Additives, not to declare	--	1.5	0.01	
3	Single core conductor	Copper wire	45.58	Copper	7440-50-8	100	4.31	5.83
		Tin Coating, electroplated	2.16	Tin	7440-31-5	99.45	0.20	
				Lead	7439-92-1	0.05	0.0001	
				Misc., not to declare	--	0.5	0.001	
		Insulation Coating	13.86	Ethylene-vinyl acetate copolymer	24937-78-8	31	0.41	
				Aluminium hydroxide	21645-51-2	63	0.83	
				Additives, not to declare	--	6	0.08	

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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 unit wt.
4	Adhesive Tape	PET Foil	2.15	Polyethylene terephthalate	25038-59-9	95	0.19	0.74
				Misc., not to declare	--	5	0.01	
		PET non-woven	1.64	Polyethylene terephthalate	25038-59-9	99.75	0.16	
				Misc., not to declare	--	0.25	0.0004	
		Adhesive Layer 1	0.78	Poly(2-ethylhexyl acrylate, acrylic acid)	25134-51-4	60	0.05	
				Titanium dioxide	13463-67-7	29	0.02	
				Amino resin	68002-25-5	5	0.004	
				Melamine resin	9003-08-1	2.5	0.002	
				Phenolic Resin	9003-35-4	1.5	0.001	
				Misc., not to declare	--	2	0.002	
		Adhesive Layer 2	3.25	Hydrogenated rosin, pentaerythritol ester	64365-17-9	33.5	0.10	
				Natural Rubber	9006-04-6	31.5	0.10	
				Bicyclo(3.1.1)heptane, 6,6-dimethyl-2-methylene-, homopolymer	25719-60-2	12	0.04	
				Styrene-butadiene rubber	9003-55-8	9	0.03	
				Zinc oxide	1314-13-2	5	0.02	
				Phenolic Resin	9003-35-4	4.5	0.01	
				Fatty acids, C16-18, zinc salts	91051-01-3	1.5	0.01	
				Thiram	137-26-8	0.5	0.002	
				Zinc bis(dibutyldithiocarbamate)	136-23-2	0.5	0.002	
				Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene	68610-51-5	0.5	0.002	
				N,N'-Caprolactam disulfide	23847-08-7	0.5	0.002	
				Misc., not to declare	--	1	0.003	

MATERIAL DECLARATION SHEET



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 unit wt.
5	Shim	Glass fiber reinforced Polyester	1.28	Polyethylene terephthalate	25038-59-9	34.1	0.04	0.12
				Glass fiber	65997-17-3	30	0.04	
				ISO 1043-4 FR(17) aromatic brominated compounds (excl. brominated diphenyl ether & biphenyls)	--	20	0.02	
				ISO 1043-4 FR(63) alkali-metal antimonate, not declarable	--	10	0.01	
				PTFE	9002-84-0	0.9	0.001	
				Additives, not to declare	--	5	0.006	
6	Silicon Fiberglass Sleeving	Silicone Coating	2.00	Methyl Vinyl Silicone Oxygen	68083-19-2	52.7	0.10	0.58
				Fumed Silica	14808-60-7	21.8	0.04	
				Dimethyl Polysiloxane	70131-67-8	19.9	0.04	
				Polymethylhydrosiloxane	63148-57-2	3.0	0.01	
				Silane Coupling Agent	2530-83-8	2.0	0.004	
				Red Pigment	84632-65-5	0.6	0.001	
		Fiberglass sleeve	4.13	Glass, oxide, chemicals	65997-17-3	100	0.39	
7	Parallel Connectors	Copper	5.61	Copper	7440-50-8	100	0.53	0.54
		Tin	0.05	Tin	7440-31-5	100	0.01	
8	Compression Cable Lugs	Copper	5.80	Copper	7440-50-8	100	0.55	0.55
		Tin	0.06	Tin	7440-31-5	100	0.01	
9	Cable Ties	Polyamide	5.08	PA66	32131-17-2	97	0.47	0.48
				Carbon Black	1333-86-4	0.55	0.003	
				Additives, not to declare	--	2.45	0.01	

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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 unit wt.
10	Impregnation Resin	Polyester Resin	3.00	Polyesterimide resin	37317-16-1	97	0.28	0.28
				Melamine resin	9003-08-1	1.5	0.004	
				Acrylic resin	--	1	0.003	
				Additives, not to declare	--	0.5	0.001	
11	Solder	Sn99Ag0.3Cu0.7	2.00	Tin	7440-31-5	99	0.19	0.19
				Copper	7440-50-8	0.7	0.001	
				Silver	7440-22-4	0.3	0.001	
		Total weight	1056.64					

This Document was updated on: 06/24/2025

Important remarks:

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