

MATERIAL DECLARATION SHEET

BOURNS®

Material Number	RL822 Series			
Product Line	Radil Lead Chokes			
Compliance Date	2023-09-23			
RoHS Compliant	yes	MSL	Dimensions: mm	
			A :9.0Max	
			B :12.2Max	
			C: 5.00+/-1	
			D: 5.00+/-1	
			E :0.7 +/-1	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	core	core	1140	Nickel oxide	1313-99-1	16	9.12	57
				Copper oxide	1317-38-0	17	9.69	
				Ferrite oxide	1309-37-1	52	29.64	
				Zinc oxide	1314-13-2	15	8.55	
2	wire	Magnetic Wire	745	Copper	7440-50-8	97	36.1325	37.25
				polyurethane	9010-69-9	3	1.1175	
3	Lead wire	lead wire	43	copper	7440-50-8	97	2.0855	2.15
				Tin	7740-31-5	3	0.0645	
4	solder	solder	2	Tin	7440-31-5	99.3	0.0993	0.10
				copper	7440-50-8	0.7	0.0007	
5	UV GLUE	EXPOXY	15	Epoxy resin	24969-06-0	20	0.15	0.75
				Phenolic Resin	9003-35-4/	25	0.1875	
				dicyandiamide	461-58-5	7	0.0525	
				Fenuron	101-42-8/	4	0.03	
				Carbon Black	1333-86-4	0.8	0.006	
				Titanium Dioxide	13463-67-7	0,2	0.0015	
				Bentonite	1302-78-9	5	0.0375	
				4 , 4'-diphenylmethane diisocyanate	101-68-8/	15	0.1125	

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				Aluminium hydroxide	21645-51-2	23	0.1725	
6	Insulation	UL tube	54.9	POLYOLEFIN	9002-88-4	55	1.50975	2.745
				Red phosphorous	7723-14-0	3	0.08235	
				Magnesium Hydroxide	1309-42-8	38	1.0431	
				Carbon black	1333-86-4	4	0.1098	
7	INK	INK	0.1	Polymide	63428-84-2	15	0.00075	0.005
				Tianium oxide	13463-67-7	45	0.00225	
				Toluene	108-88-3	20	.0.001	
				Isopropyl alcohol	67-63-0	10	0.0005	
				Ethyl acetate	141-78-6	10	0.0005	
		Total weight	2000					

This Document was updated on: September 23, 2023

Important remarks:

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