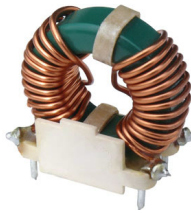


MATERIAL DECLARATION SHEET

BOURNS®

Material Number		8101-RC						
Product Line								
Compliance Date		2025/12/22						
RoHS Compliant		Yes	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.	Subpart mass of total wt. (%)
1	CORE	A10	3.04	Iron(III) oxide	1317-60-8	70%	35.764%	51.092%
				Manganese(II) oxide	1344-43-0	15%	7.6635%	
				Zinc oxide	1314-13-2	15%	7.6635%	
2	BASE	PBT	1.13	PBT resin	26062-94-2	45%	8.546%	18.992%
				Glass Fiber	65997-17-3	30%	5.697%	
				Flame Retardant (C18H16Br4O3)n	68928-70-1	10%	1.899%	
				Flame Retardant (C16H10Br4O3)n	71342-77-3	10%	1.899%	
				Flame Retardant Sb2O3	1309-64-4	3%	0.5697%	
				Additives	NA	2%	0.3798%	
	PIN	PIN	0.1	Iron	07439-89-6	69%	1.1597%	1.681%
				Copper	07440-50-8	25%	0.42%	
				Tin	07440-31-5	6%	0.1%	

MATERIAL DECLARATION SHEET



3	Wire AWG#28 0.32mm Heavy MW28C	Copper	1.3	Copper	7440-50-8	97%	16.302%	21.848%
				Polyurethane	9009-54-5	3%	0.655%	
4	Tape	Tape	0.1	Polyester Film	25038-59-9	57%	0.9579%	1.681%
				Polyisoprene Rubber	9003-31-0	26%	0.4369%	
				Tackifying Resin	68240-09-05	10%	0.168%	
				Titanium Dioxide	13463-67-7	3%	0.050%	
				P-Tert-Butylphenol- Formaldehyde Resin	Trade Secret	3%	0.050%	
				Calcium and Zinc Salts	68188-23-8	1%	0.0168%	
5	Epoxy	Epoxy	0.1	Epoxy resin	24969-06-0	90%	1.512%	1.681%
				Additives	280-57-9	10%	0.168%	
6	Epoxy	Epoxy	0.1	Curing agent	2855-13-2	96%	1.6128%	1.681%
				Filling agent	280-57-9	4%	0.0672%	
7	Sn	100Sn	0.08	Tin	7440-31-5	100%	1.344%	1.344%
		Total weight	5.95					

This Document was updated on: 2025/12/22

Important remarks:

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