


MATERIAL DECLARATION SHEET

BOURNS®

Material Number	HCTSM8xxxxxAL			
Product Line	High Creepage Transformers			
Compliance Date	2019-10-30			
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	Ferrite Core	Mn-Zn	0.293	Iron oxide	1309-37-1	72	16.5168	22.94
				Manganese oxide	1317-35-7	22	5.0468	
				Zinc oxide	1314-13-2	6	1.3764	
	Coating	0.006	Parylene N	1633-22-3	99	0.4653	0.47	
			Misc not to declare	N/A	1	0.0047		
2	Housing	WH9100	0.4423	Polyamide copolymer	N/A	40	13.852	34.63
				Fiberglass	65997-17-3	37.8	13.090	
				Non-halogenated flame retardant	proprietary	18.9	6.2334	
				Aluminum hydroxide	24623-77-6	3	1.0389	
				Carbon black	1333-86-4	0.3	0.10389	
	CP wire	0.0487	Copper	7440-50-8	88.8%	3.38328	3.81	
			Phosphorous	7723-14-0	0.2%	0.00762		
			Nickel	7440-02-0	1%	0.0381		
			Tin	7440-31-5	10%	0.381		
				Copper	7440-50-8	93	6.0915	
				Perfluoroalkoxy resin	26655-00-5	5	0.3275	

3	TIW Wire	Copper Wire	0.0837	Coating	9017-09-8	2	0.131	6.55
4	FIW Wire	Copper Wire	0.1267	Copper	7440-50-8	95	9.424	9.92
				Polyurethane	68400-67-9	5	0.496	
5	Cover	HTNFR52G30NH (r6)	0.1928	Polyamide copolymer	N/A	62.5	9.432125	15.09
				Fiberglass	65997-17-3	22.8	3.44052	
				Non-halogenated flame retardant	proprietary	11.4	1.72026	
				Aluminum hydroxide	24623-77-6	3	0.4527	
				Carbon black	1333-86-4	0.3	0.04527	
6	Silicone Rubber	WR7306 YC-RH	0.07	Vinyl Polysiloxane	68083-19-2	60	3.288	5.48
				Silicon dioxide	14808-60-7	36.25	1.9865	
				Carbon black	1333-86-4	1	0.0548	
				Adhesive accelerator	proprietary	2.45	0.13426	
				Octamethylcyclotetrasiloxane**	556-67-2	<0.1	0.00548	
				Decamethylcyclopentasiloxane**	541-02-6	<0.1	0.00548	
				Dodecamethylcyclohexasiloxane	540-97-6	<0.1	0.00548	
7	Solder bar	Sn/Ag/Cu	0.0142	Tin	7440-31-5	96	1.0656	1.11
				Silver	7440-22-4	3.5	0.03885	
				Copper	7440-50-8	0.5	0.00555	
		Total weight	1.2774					

This Document was updated on: 2019-10-30

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. ** Substances listed are REACH SVHCs <0.1% in the homogeneous material; <0.005% in finished part. Declaration only.