


MATERIAL DECLARATION SHEET



Material Number	PER28			
Product Line	Encoders			
Compliance Date	Since Inception			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Materials/ Substances	CASRN If applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. [%]
1	Housing	PBT	1.42	Glass	65997-17-3	20	7.435	37.173
				Poly(butylene terephthalate)	30965-26-5	65	24.162	
				Antimony Oxide	1309-64-4	4	1.487	
				TBBPA flame retardant	68928-70-1	10	3.717	
				Additives, not to declare	N/A	1	0.372	
2	Terminals	Bronze	0.3895	Copper	7440-50-8	91.44	9.324	10.196
				Tin	7440-31-5	8.45	0.862	
				Phosphorus	7723-14-0	0.09	0.0091	
				Lead	7439-92-1	0.003	0.0003	
				Zinc	7440-66-6	0.004	0.0004	
				Iron	7439-89-6	0.002	0.0002	
		Plating	0.0205	Silver	7440-22-4	100	0.536	0.536
3	Wipers	Bronze (Without plating)	0.11	Copper	7440-50-8	91.44	2.633	2.88
				Tin	7440-31-5	8.45	0.243	
				Phosphorus	7723-14-0	0.09	0.003	
				Lead	7439-92-1	0.003	0.00009	
				Zinc	7440-66-6	0.004	0.00012	
				Iron	7439-89-6	0.002	0.00006	

MATERIAL DECLARATION SHEET



No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Materials/ Substances	CASRN If applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. [%]
4	Detent Spring	Bronze (Without plating)	0.22	Copper	7440-50-8	91.44	5.266	5.759
				Tin	7440-31-5	8.45	0.487	
				Phosphorus	7723-14-0	0.09	0.005	
				Lead	7439-92-1	0.003	0.00017	
				Zinc	7440-66-6	0.004	0.00023	
				Iron	7439-89-6	0.002	0.00012	
5	Shaft	PC	0.92	Polycarbonate	25037-45-0	100	24.084	24.084
6	Bracket	SPTe (Without plating)	0.73	Carbon	7440-44-0	0.5	0.096	19.11
				Manganese	7439-96-5	6	1.147	
				Phosphorus	7723-14-0	5	0.956	
				Iron	7439-89-6	88	16.817	
				Silicon	7440-21-3	0.5	0.096	
7	Lube	Polysiloxane	0.01	Polysiloxane	9011-19-2	100	0.262	0.262
		Total weight	3.82					

This Document was updated on: 2019-07-08

Important remarks:

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