


# MATERIAL DECLARATION SHEET



Material Number	PER35			
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	1.9	Glass	65997-17-3	20	7.156	35.783
				Poly(butylene terephthalate)	30965-26-5	65	23.258	
				Antimony Oxide	1309-64-4	4	1.431	
				TBBPA flame retardant	68928-70-1	10	3.578	
				Additives, not to declare	N/A	1	0.358	
2	Terminales	Bronze	0.5035	Copper	7440-50-8	91.451	8.6714	9.482
				Tin	7440-31-5	8.45	0.8012	
				Phosphorus	7723-14-0	0.09	0.0085	
				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	0.0265	Silver	7440-22-4	100	0.499	0.499	
3	Wipers	Bronze (Without plating)	0.13	Copper	7440-50-8	91.44	2.238	2.448
				Tin	7440-31-5	8.45	0.207	
				Phosphorus	7723-14-0	0.09	0.002	
				Lead	7439-92-1	0.003	0.0001	
				Zinc	7440-66-6	0.004	0.0001	
				Iron	7439-89-6	0.002	0.00005	

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4	Detent Spring	SUS304	0.25	Carbon	7440-44-0	0.06	0.003	4.708
				Manganese	7439-96-5	2.2	0.104	
				Silicon	7440-21-3	0.27	0.013	
				Phosphorus	7723-14-0	0.03	0.001	
				Sulfur	7704-34-9	0.31	0.015	
				Chromium	7440-47-3	17.2	0.81	
				Nickel	7440-02-0	8.2	0.386	
				Copper	7440-50-8	2.2	0.104	
				Iron	7439-89-6	69.53	3.273	
5	Shaft	PC	1.37	Polycarbonate	25037-45-0	100	25.8	25.8
6	Bracket	SPT (Without plating)	1.12	Carbon	7440-44-0	0.5	0.105	21.092
				Manganese	7439-96-5	6	1.266	
				Phosphorus	7723-14-0	5	1.055	
				Iron	7439-89-6	88	18.561	
				Silicon	7440-21-3	0.5	0.105	
7	Lube	Polysiloxane	0.01	Polysiloxane	9011-19-2	100	0.188	0.188
		Total weight	5.31					

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.