

Material Composition for EN16ABHB11AF23

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (grams)	Special Classification
Shaft	PC	18.09%	C	7440-44-0	8.75E-03	
			Pc	108-32-7	8.49E-01	
			Ba	7440-39-3	1.31E-02	
			Se	7782-49-2	4.38E-03	
Bushing	PBT	15.10%	PBT	26062-94-2	4.75E-01	Fire Retardant
			Flame retardant	68928-70-1	7.30E-02	
			Antimony trioxide	1309-64-4	3.65E-02	
			Glass fiber	65997-17-3	1.10E-01	
			Additives	N/A	3.65E-02	
Lubricant	Lubricating Oil	0.41%	Basic Oil	25189-70-2	1.60E-02	
			Viscous	9003-27-4	3.00E-03	
			Additive	25038-59-9	1.00E-03	
Bracket	SPCC	30.40%	C	7440-44-0	5.88E-01	
			Si	7440-21-3	1.47E-02	
			Mn	7439-96-5	3.82E-01	
			P	7723-14-0	2.79E-01	
			Sn	7440-31-5	2.94E-02	
			Ni	7440-02-0	1.76E-01	
Terminals	SPCC	0.41%	C	7440-44-0	8.00E-03	
			Si	7440-21-3	2.00E-04	
			Mn	7439-96-5	5.20E-03	
			P	7723-14-0	3.80E-03	
			Sn	7440-31-5	4.00E-04	
			Ni	7440-02-0	2.40E-03	
Encoder Body	PBT	13.56%	PBT	26062-94-2	4.26E-01	Fire Retardant
			Flame retardant	68928-70-1	6.56E-02	
			Antimony trioxide	1309-64-4	3.28E-02	
			Glass fiber	65997-17-3	9.84E-02	
			Additives	N/A	3.28E-02	
Substrate	Fiberglass	17.78%	C	7440-44-0	2.15E-01	
			Graphiee	7782-42-5	1.29E-01	
			Formaldehvde	65997-17-3	5.16E-01	
Wipers	Phosphor bronze	1.55%	Cu	7440-50-8	6.75E-02	RoHS exemption 6(c)
			Sn	7440-31-5	6.75E-03	
			Ni	7440-02-0	1.50E-04	
			P	7723-14-0	1.88E-04	
			Fe	7439-89-6	3.75E-04	
			Pb	7439-92-1	1.50E-05	
Spring	Piano Wire	1.65%	C	7440-44-0	7.20E-02	
			Si	7440-21-3	7.20E-03	
			Mn	7439-96-5	1.60E-04	
			P	7723-14-0	2.00E-04	
			S	7704-34-9	4.00E-04	
			Cu	7440-50-8	1.60E-05	
Stellball	Stainless Steel	1.03%	Fe	7439-89-6	3.54E-02	
			Cr	7440-47-3	9.00E-03	
			Ni	7440-02-0	4.00E-03	
			Mn	7439-96-5	1.00E-03	
			P	7723-14-0	2.25E-05	
			S	7704-34-9	1.50E-05	
			Si	7440-21-3	5.00E-04	
			C	7440-44-0	4.00E-05	
Total mass				4.836 grams		