

Material Composition for P090

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (grams)	Special Classification
Shaft	Polymer	34.1%	Polycarbonate	25971-63-5	0.511	
Substrate	Phenolic laminate	13.1%	Cellulose pulp	65996-61-4	0.088	
			Phenolic resin	9003-35-4	0.108	
Carbon plasm	Filled polymer	0.06%	Carbon black	1333-86-4	7.42E-04	
			Talc	14807-96-6	4.20E-05	
			Polymer	29601-89-0	3.20E-05	
			Silver	7440-22-4	5.30E-05	
Silver plasm	Filler polymer	0.11%	Phenolic resin	9039-25-2	3.86E-04	
			Silver	7440-22-4	0.001	
			Glass powder	65997-17-3	1.30E-05	
			Graphite	7782-42-5	1.29E-04	
			Moly disulfide	1317-33-5	1.29E-04	
Element Lubricant	White oil	0.01%	Epoxy resin	25085-99-8	6.90E-05	
			Barium sulfate talc	7727-43-7	2.10E-05	
			Titanium sulfate	13463-67-7	4.10E-05	
			Diethylene glycol monoethyl ether acetate	112-15-2	7.00E-06	DGMEA
Terminal	Steel	8.8%	C	7440-44-0	2.64E-04	
			Mn	7439-96-5	2.64E-04	
			P	7723-14-0	5.30E-05	
			S	7704-34-9	5.30E-05	
			Si	7440-21-3	3.95E-04	
			Al	7429-90-5	5.80E-05	
			Fe	7439-89-6	0.131	
	Tin plating	0.06%	Sn	7440-31-5	9.00E-04	
Slider	Nickel-silver alloy	4.7%	Cu	7440-50-8	0.039	
			Zn	7440-66-6	0.018	
			Ni	7440-02-0	0.013	
			Mn	7439-96-5	3.52E-04	
			Fe	7439-89-6	1.41E-04	
			Pb	7439-92-1	3.50E-05	RoHS exemption 6(c)
Frame	Steel	36.4%	C	7440-44-0	0.001	
			Mn	7439-96-5	0.001	
			P	7723-14-0	2.18E-04	
			S	7704-34-9	2.18E-04	
			Si	7440-21-3	0.002	
			Al	7429-90-5	2.40E-04	
			Fe	7439-89-6	0.541	
	Tin plating	0.13%	Sn	7440-31-5	0.002	
Base	Polyamide	2.5%	Polyhexamthylene Adipamide	32131-17-2	0.025	
			Glass fibers	65997-17-3	0.012	
			Stabilizer mixture	76024-18-9	0.001	
Shaft oil	PAO	0.013%	Polyisobutylene	9003-27-4	1.20E-04	
			PAO	68037-01-4	7.00E-05	
			Fumed Silica	68611-44-9	1.00E-05	
Total Mass					1.4991	grams