

Material Composition for SX-4475A

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (grams)	Special Classification
Housing	Glass Reinforced PPA	25.15%	PPA	25776-72-1	1.52E+01	
			Glass Fibber	65997-17-3	7.49E+00	
Rear Lid	PBT	9.42%	PBT	26062-94-2	8.33E+00	
			Misc. Not to declare	N/A	1.70E-01	
Torque Array	PCB material	0.66%	Glass Fiber	65997-17-3	3.95E-01	
			Copper	7440-50-8	2.00E-02	
			Nickel	7440-02-0	5.55E-03	
			Gold	7440-57-5	2.31E-03	
			Epoxy resing	N/A	1.69E-01	
	CP Paste	0.22%	Secret Formula	N/A	2.00E-01	
	Position Element	PCB material	6.88%	Glass Fiber	65997-17-3	4.26E+00
Copper				7440-50-8	1.15E-01	
Nickel				7440-02-0	3.21E-02	
Gold				7440-57-5	1.39E-02	
Epoxy resing				N/A	1.78E+00	
CP Paste		0.22%	Secret Formula	N/A	2.00E-01	
Slip Ring Paste		0.22%	Secret Formula	N/A	2.00E-01	
Plasstic rotor	Glass Reinforced Nylon	15.51%	Glass Fiber	65997-17-3	1.62E+00	
			Nylon 6	25038-54-4	6.90E+00	
			Acrylonitrile, polymer with styrene	9003-54-7	2.97E+00	
			Poly-paraphenylene terephthalamid	26125-61-1	6.60E-01	
			Polytetrafluoroethylene	9002-84-0	1.32E+00	
			Misc. Not to declare	N/A	5.28E-01	
LH3 Rotor Plastic	Glass Reinforced Nylon	14.17%	Glass Fiber	65997-17-3	1.27E+00	
			Nylon 6	25038-54-4	6.42E+00	
			Acrylonitrile, polymer with styrene	9003-54-7	2.68E+00	
			Poly-paraphenylene terephthalamid	26125-61-1	6.37E-01	
			Polytetrafluoroethylene	9002-84-0	1.27E+00	
			Misc. Not to declare	N/A	5.10E-01	
Coupling	Stainless Steel	4.56%	Iron	7439-89-6	2.88E+00	
			Chromium	7440-47-3	7.41E-01	
			Nickel	7440-02-0	4.12E-01	
			Misc. Not to declare	N/A	8.23E-02	
Hog ring	Stainless Steel	1.32%	Iron	7439-89-6	8.36E-01	
			Chromium	7440-47-3	2.15E-01	
			Nickel	7440-02-0	1.19E-01	
			Misc. Not to declare	N/A	2.39E-02	
Grip Ring	Stainless Steel	1.32%	Iron	7439-89-6	8.36E-01	
			Chromium	7440-47-3	2.15E-01	
			Nickel	7440-02-0	1.43E-01	
Contact	Palladium Alloy	0.14%	Palladium	7440-05-3	8.27E-03	
			Nickel	7440-02-0	1.66E-02	
			Tin	7440-31-5	8.86E-03	
			Silver	7440-22-4	7.14E-03	
			Copper	7440-50-8	8.87E-02	
Wire harness	Wire	8.37%	Copper	7440-40-8	3.98E+00	
			Tin	7440-31-5	3.02E-01	
			Polyvinylchloride	9002-86-2	3.28E+00	
	Terminal pin	1.95%	Copper	7440-40-8	1.73E+00	
			Nickel	7440-02-0	1.76E-02	
			Tin	7723-31-5	8.82E-04	
			Phosphorus	7723-14-0	1.59E-02	
	Machined terminal	1.53%	Copper	7440-50-8	7.44E-01	
			Iron	7439-89-6	8.09E-04	
			Lead	7439-92-1	1.62E-01	RoHS exemption 6(c)
	Connector	3.08%	Tin	7440-31-5	4.77E-01	
			Polypropylene	106565-43-9	2.78E+00	
Tubing iraxx	Polyolefin resing	1.03%	Hydrogen	1333-74-0	9.01E-01	
			Carbon	7440-44-0	2.79E-02	
Teflon Washer	Teflon	0.96%	PTFE	9002-84-0	8.65E-01	
Thermal potting component Nylon		3.21%	Polyamide	32131-17-2	2.61E+00	
			Misc. Not to declare	N/A	2.90E-01	
Label	Polyester label	0.04%	Polyethylene tereohthalate	25038-59-9	4.00E-02	
Total mass					90.25	grams