

Material Composition for PHS11 Potentiometer

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (mg)	Special Classification
Slider	C5210 Copper Silver Plating	43.500 1.500	Cu	7440-50-8	39.89	
			Sn	7440-31-5	3.48	
			Zn	7440-66-6	0.09	
			Fe	7439-89-6	0.02	
			P	7723-14-0	0.02	
			Ag	7440-22-4	1.50	
Conductor Board	C5210 Copper Silver Plating	14.500 2.000	Cu	7440-50-8	13.30	
			Sn	7440-31-5	1.16	
			Zn	7440-66-6	0.03	
			Fe	7439-89-6	0.01	
			P	7723-14-0	0.01	
			Ag	7440-22-4	2.00	
Conductor Base	PBT Black master batch	160.000 2.000	PBT	26062-94-2	134.40	
			Glass fibers	65997-17-3	25.60	
			polypropylene	9003-07-0	0.76	
			Polyethylene Wax	9002-88-4	0.44	
			Carbon black	1333-86-4	0.80	
Slider base	PBT Black master batch	41.600 3.000	PBT	26062-94-2	34.94	
			Glass fibers	65997-17-3	6.66	
			polypropylene	9003-07-0	1.14	
			Polyethylene Wax	9002-88-4	0.66	
			Carbon black	1333-86-4	1.20	
Case	Tinplate	160.000	Carbon	7440-44-0	0.32	
			Mn	7439-96-5	0.32	
			Phosphorus	7723-14-0	0.06	
			Sulfur	7704-34-9	0.06	
			Silicon	7440-21-3	0.48	
			Aluminium	7429-90-5	0.06	
			Iron	7439-89-6	158.69	
			Calcium petroleum sulfonate	61789-86-4	1.92	
			Antioxidants	2082-79-3	0.08	
	Anti-Rust Oil	2.000				
Grease	Base oil+Addition	2.000	Polyisobutylene	9003-27-4	1.20	
			PAO	68037-01-4	0.70	
			Fumed Silica	68611-44-9	0.10	

Total mass	432.10 mg
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