

Material Composition for PSL2 Potentiometer

Part No.	Description	Sub-component	Mass (g)	Material	Chemical Name	% of Total Mass	CAS #	Special Classification
PSL2	Potentiometer	Case	8.6	Tinplate	Fe	98.00%	7439-89-6	
					C	0.13%	7440-44-0	
					Si	0.03%	7440-21-3	
					Mn	0.60%	7439-96-5	
					P	0.02%	7723-14-0	
					S	0.05%	7704-34-9	
					Sn	1.1693%	7440-31-5	
		Cr	0.0007%	7440-47-3				
		Sliding track	3.74	Stainless steel	Fe	70.845	7439-89-6	
					Cr	18	7440-47-3	
					Ni	8	7440-02-0	
					Mn	2	7439-96-5	
					P	0.045	7723-14-0	
					S	0.03	7704-34-9	
					Si	1	7440-21-3	
		Lubricant	0.01	lubricating oil	C	0.08	7440-44-0	
					BASIC OIL	75-80%	25189-70-2	
					VISCOUS	10-15%	9003-27-4	
		Lever/metal	0.31	Aluminum alloy	ADDITIVE	3-5%	25038-59-9	
					Al	97.39%	7429-90-5	
					Si	0.1%	7440-21-3	
					Fe	0.2%	7439-89-6	
					Cu	0.02%	7440-50-8	
					Mn	0.02%	7439-96-5	
					Mg	2.25%	7439-95-4	
		Lever/plastic	0.54	POM	Zn	0.02%	7440-66-6	
					1,3,5-trioxan trioxymethylene	98.00%	110-88-3	
		Wiper holder	0.23	PC	1,3-Dioxolane	2.00%	646-06-0	
					C	1.00%	7440-44-0	
					Propylene Carbonate	97.00%	108-32-7	
					Ba	1.50%	7440-39-3	
		Terminal	0.11	SPCC	Se	0.50%	7782-49-2	
					C	40%	7440-44-0	
					Si	1%	7440-21-3	
					Mn	26%	7439-96-5	
					P	19%	7723-14-0	
		Wiper	0.02	Phosphor bronze	Sn	2%	7440-31-5	
					Ni	12%	7440-02-0	
					Cu	Margin	7440-50-8	
					Sn	7-9%	7440-31-5	
					Ni	≤0.2%	7440-02-0	
		Resitive element	2.44	FR4	P	0.1-0.25%	7723-14-0	
Fe	≤0.5%				7439-89-6			
Pb	≤0.02%				7439-92-1	RoHS exempt (6)		
Dust cover	0.24	Dust cover	C	25%	7440-44-0			
			Graphite	15%	7782-42-5			
Dust cover	0.24	Dust cover	Formaldehyde	60%	65997-17-3			
			2,2-bis (4-hydroxyphenyl) propane polycarbonate	99%	25037-45-0			
Dust cover	0.24	Dust cover	Flame retardant	1%	-			

Total	16.24
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