

# Material Composition for 2646M Turn Counting Dial

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (mg)	Special Classification
Dial assembly	Zamak	1.886%	Al	7429-90-5	266.10	
		0.022%	Me:	7439-95-4	3.12	
		0.001%	Fe	7439-89-6	0.20	
		45.245%	Zn	7440-66-6	6,382.50	
Plating	Resin	0.000%	Epoxy33%,Acrylic24%,Polyurethane18%		0.01	
Knob	Resin	3.530%	Polyamide 66	32131-17-2	498.00	
Secondary dial	Zamak	0.313%	Al	7429-90-5	44.10	
		0.004%	Me:	7439-95-4	0.50	
		0.000%	Fe	7439-89-6	0.03	
		7.354%	Zn	7440-66-6	1,037.40	
Plating	Resin	0.000%	Epoxy33%,Acrylic24%,Polyurethane18%		0.01	
Baseplate assembly	Zamak	1.160%	Al	7429-90-5	163.60	
		0.013%	Me:	7439-95-4	1.90	
		0.001%	Fe	7439-89-6	0.10	
		27.260%	Zn	7440-66-6	3,845.40	
Plating	Nickel	0.000%	Ni	7440-02-0	0.01	
Cover	Aluminium alloy	0.004%	Si	7440-21-3	0.50	
		0.012%	Fe	7439-89-6	1.68	
		0.000%	Cu	7440-50-8	0.06	
		0.000%	Mn	7439-96-5	0.06	
		0.118%	Me:	7439-95-4	16.62	
		0.008%	Cr	7440-47-3	1.06	
		0.000%	Zn	7440-66-6	0.06	
		4.271%	Al	7429-90-5	602.46	
		Locking lever	Steel	0.001%	C	
0.000%	Si			7440-21-3	0.02	
0.002%	Mn			7439-96-5	0.33	
1.061%	Fe			7439-89-6	149.70	
Plating	Nickel	0.227%	Ni	7440-02-0	32.00	
Knob	Resin	0.320%	POM	24969-24-4	45.20	
Pinion gear	Resin	0.078%	POM	24969-24-5	11.00	
Brake shoe	Resin	0.557%	POM	24969-24-6	78.60	
Locating plate	Resin	4.587%	NORYL	25134-01-4	647.10	
Socket screw	Steel	0.002%	C	7440-44-0	0.25	
		0.001%	Si	7440-21-3	0.15	
		0.004%	Mn	7439-96-5	0.55	
		0.002%	Ni	7440-02-0	0.27	
		0.002%	Cr	7440-47-3	0.27	
		0.435%	Fe	7439-89-6	61.40	
Retaining ring	Steel	0.013%	C	7440-44-0	1.80	
		0.004%	Si	7440-21-3	0.51	
		0.005%	Mn	7439-96-5	0.77	
		0.000%	P	7723-14-0	0.02	
		0.000%	Si	7704-34-9	0.01	
		0.000%	Cu	7440-50-8	0.02	
		0.000%	Ni	7440-02-0	0.04	
		0.002%	Cr	7440-47-3	0.30	
		1.492%	Fe	7439-89-6	210.53	

<b>Total mass</b>	<b>14,106.4 mg</b>
-------------------	--------------------