

Material Composition for EN11-VSM

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (grams)	Special Classification
Shaft	A2011	29.25%	Si	7440-21-3	4.41E-03	
			Fe	7439-89-6	7.72E-03	
			Cu	7440-50-8	5.51E-02	
			Mn	7439-96-5	5.51E-04	
			Mg	7439-95-4	5.51E-03	
			Bi	7440-69-9	2.21E-03	
			Zn	7440-66-6	3.31E-03	
			Al	7429-90-5	1.02E+00	
Switch Base	PBT	0.66%	Poly (ethylene terephthalate) Glass,Oxide,Chemicals	30965-26-5 65997-17-3	1.70E-02 8.00E-03	
Spacer Plate	Steel	3.24%	Cu	7440-50-8	1.12E-01	
			Sn	7440-31-5	9.76E-03	
			Zn	7440-66-6	2.44E-04	
			Fe	7439-89-6	4.88E-05	
			P	7723-14-0	6.10E-05	
Ring Button	SWP	3.29%	C	7440-44-0	1.00E-03	
			Si	7440-21-3	2.48E-04	
			Mn	7439-96-5	5.33E-04	
			P	7723-14-0	1.24E-05	
			S	7704-34-9	1.24E-05	
			Cu	7440-50-8	2.48E-05	
			Fe	7439-89-6	1.22E-01	
Frame	SPTe	21.17%	C	7440-44-0	1.60E-03	
			Mn	7439-96-5	1.60E-03	
			P	7723-14-0	3.19E-04	
			S	7704-34-9	3.19E-04	
			Si	7440-21-3	2.39E-03	
			Al	7429-90-5	3.51E-04	
			Fe	7439-89-6	7.91E-01	
Frame	Anti Rust oil	0.53%	Calcium petroleum sulfonate	61789-86-4	1.92E-02	
			Antioxidants	2082-79-3	8.00E-04	
Shaft Set	Zinc Alloy	22.64%	Al	7429-90-5	3.41E-02	
			Cu	7440-50-8	4.27E-03	
			Mg	7439-95-4	4.27E-04	
			Fe	7439-89-6	8.53E-05	
			Sn	7440-31-5	0.00E+00	
			Zn	7440-66-6	8.14E-01	
Conductor Base	POM	1.03%	Formaldehyde polymer	9002-81-7	3.82E-02	
			Poly((6-((1 1 3 3-tetramethylbutyl) amino-s-triazine	70624-18-9	7.80E-04	
Click	Steel	0.52%	Cu	7440-50-8	1.81E-02	
			Sn	7440-31-5	1.58E-03	
			Zn	7440-66-6	3.94E-05	
			Fe	7439-89-6	7.88E-06	
			P	7723-14-0	9.85E-06	
Spring Plate	POM	0.29%	Formaldehyde polymer	9002-81-7	1.08E-02	
			Poly((6-((1 1 3 3-tetramethylbutyl) amino-s-triazine	70624-18-9	2.20E-04	
Switch Conductor	Phosphor Bronze	8.51%	Cu	7440-50-8	2.94E-01	
			Sn	7440-31-5	2.57E-02	
			Zn	7440-66-6	6.42E-04	
			Fe	7439-89-6	1.28E-04	
			P	7723-14-0	1.60E-04	
	Silver Plating	0.43%	Ag	7440-22-4	1.61E-02	
Conductor	Phosphor Bronze	1.46%	Cu	7440-50-8	5.04E-02	
			Sn	7440-31-5	4.40E-03	
			Zn	7440-66-6	1.10E-04	
			Fe	7439-89-6	2.20E-05	
			P	7723-14-0	2.75E-05	
				Silver Plating	0.08%	Ag
Slider Base	PBT	2.18%	Poly (ethylene terephthalate) Glass,Oxide,Chemicals	30965-26-5 65997-17-3	5.58E-02 2.62E-02	
Slider	Phosphor Bronze	1.14%	Cu	7440-50-8	3.93E-02	
			Sn	7440-31-5	3.43E-03	
			Zn	7440-66-6	8.58E-05	
			Fe	7439-89-6	1.72E-05	
			P	7723-14-0	2.15E-05	
	Silver Plating	0.05%	Ag	7440-22-4	2.00E-03	
Switch Spring Plate	Phosphor Bronze	3.38%	Sn	7440-31-5	1.02E-02	
			P	7723-14-0	2.55E-04	
			Cu	7440-50-8	1.17E-01	
			Ag	7440-22-4	2.00E-03	
Grease	Base Oil+Additive	0.11%	PAO	68037-01-4	3.20E-03	
			Polyisobutylene	9003-27-4	7.20E-04	
			Fumed Silica	68611-44-9	8.00E-06	
Total mass					3.770 grams	