

## Material Composition for EN12-VS

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (grams)	Special Classification
Frame	spcc	63.22%	C	7440-44-0	3.99	
			Mn	7439-96-5	3.99	
			P	7723-14-0	0.80	
			S	7704-34-9	0.80	
			Si	7440-21-3	5.98	
			Al	7429-90-5	0.88	
			Fe	7439-89-6	1,977.57	
	Luster Tin plating			Sn	7440-31-5	0.20
Conducting Oil	Base Oil+Additive	1.27%	PAO	68037-01-4	26.00	
			Polyisobutylene	115-11-7	12.00	
			Fumed Silica	68611-44-9	2.00	
Conductor	C5210R	12.37%	Cu	7440-50-8	357.63	
			Sn	7440-31-5	31.20	
			Zn	7440-66-6	0.78	
			Pb	7439-92-1	0.04	
			Fe	7439-89-6	0.16	
			P	7723-14-0	0.20	
	Silver plating			Ag	506-64-9	0.04
Conductor Base	PBT	6.34%	Polybutylene Terephthalate	30965-26-5	70.00	
			Brominated epoxy resin	68928-70-1	50.00	
			Antimony oxide	1309-64-4	20.00	
			Glass,Oxide,Chemicals	65997-17-3	60.00	
Click	C5210R	1.90%	Cu	7440-50-8	55.02	
			Sn	7440-31-5	4.80	
			Zn	7440-66-6	0.12	
			Pb	7439-92-1	0.01	
			Fe	7439-89-6	0.02	
			P	7723-14-0	0.03	
Slider	C5210R	2.54%	Cu	7440-50-8	73.36	
			Sn	7440-31-5	6.40	
			Zn	7440-66-6	0.16	
			Pb	7439-92-1	0.01	
			Fe	7439-89-6	0.03	
			P	7723-14-0	0.04	
Shaft	PC	6.02%	PC Resin	25971-63-5	190.00	
Shaft Oil	Base Oil+Additive	6.34%	PAO	68037-01-4	120.00	
			Polyisobutylene	115-11-7	70.00	
			Fumed Silica	68611-44-9	10.00	
Tal:		100.00%	<b>Total</b>		3154	<b>mg</b>