

Material Composition for EN11-HSB1AF15

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (grams)	Special Classification				
Shaft	Al alloy	27.288%	Si	7440-21-3	0.0041	RoHS Exemption 6(b)				
			Fe	7439-89-6	0.0072					
			Cu	7440-50-8	0.0513					
			Mn	7439-96-5	5.13E-04					
			Mg	7439-95-4	0.0051					
			Pb	7439-92-1	0.0021					
			Bi	7440-89-9	0.0021					
			Zn	7440-66-6	0.0031					
			Al	7429-90-5	0.9497					
Switch base	PBT blend	0.828%	PBT polymer	30965-26-5	0.0109	Halogenated epoxy, contains BPA Antimony fire retardant				
			Brominated epoxy resin	68928-70-1	0.0078					
			Antimony oxide	1309-64-4	0.0031					
			Glass fiber	65997-17-3	0.0093					
Ring button	Steel	3.281%	C	7440-44-0	0.0010					
			Si	7440-21-3	2.48E-04					
			Mn	7439-96-5	5.33E-04					
			P	7723-14-0	1.29E-05					
			S	7704-34-9	1.28E-05					
			Cu	7440-50-8	2.50E-05					
			Fe	7439-89-6	0.1222					
			C	231-153-3	0.0017					
			Mn	231-105-1	0.0017					
			P	231-768-7	3.34E-04					
			S	231-722-6	3.34E-04					
			Si	231-130-8	0.0025					
			Al	231-072-3	3.67E-04					
Shaft set	anti-rust oil	0.000%	Calcium sulfonate	61789-96-4	0.00048					
			Octadecyl 3,5-	2062-79-3	0.00002					
Shaft set	Zn alloy	35.371%	Al	7429-90-5	0.9532	<0.1% within article				
			Cu	7440-50-8	0.0096					
			Mg	7439-95-4	6.65E-04					
			Fe	7439-89-6	1.33E-04					
			Pb	7439-92-1	1.30E-05					
			Cd	7440-43-9	1.00E-06					
			Sn	7440-31-5	1.00E-06					
			Zn	7440-66-6	1.2684					
			Acetal polymer Stabilizer	9002-81-7	0.0382					
				70624-19-9	7.79E-04					
Click	Steel	1.100%	C	7440-44-0	1.70E-05					
			Si	7440-21-3	1.43E-04					
			Mn	7439-96-5	5.17E-04					
			P	7723-14-0	1.30E-05					
			S	7704-34-9	4.00E-06					
			Cr	7440-47-3	0.0076					
			Ni	7440-02-0	0.0004					
			Fe	7439-89-6	0.0303					
			Acetal polymer Stabilizer	unknown	0.0137					
				unknown	0.0003					
			Spacer plate	Steel	1.363%		C	7440-44-0	7.00E-06	
							Si	7440-21-3	5.00E-06	
							Mn	7439-96-5	1.14E-04	
							P	7723-14-0	3.00E-06	
S	7704-34-9	trace								
Cr	7440-47-3	0.0018								
Ni	7440-02-0	8.31E-04								
Fe	7439-89-6	0.0072								
Acetal polymer Stabilizer	unknown	0.0402								
	unknown	0.0008								
Conductor	Phosphor bronze	1.249%				Cu	7440-50-8	0.0431	RoHS exemption 6(c)	
						Sn	7440-31-5	0.0038		
						Zn	7440-66-6	9.40E-05		
			Pb	7439-92-1	5.00E-06					
			Fe	7439-89-6	1.90E-05					
			P	7723-14-0	2.40E-05					
			Ag plating	Ag	506-64-9	0.0110				
			Switch conductor	Phosphor bronze	1.329%	Cu	7440-50-8	0.0459		RoHS Exemption 6(c)
						Sn	7440-31-5	0.0040		
						Zn	7440-66-6	1.00E-04		
Pb	7439-92-1	5.00E-06								
Fe	7439-89-6	2.00E-05								
P	7723-14-0	2.50E-05								
Ag plating	Ag	506-64-9				0.0140				
Switch spring plate	Copper alloy	1.438%				Cu	7440-50-8	0.0523		
						Ti	7440-32-6	0.0017		
						Ag	506-64-9	0.011		
Slider base	PBT blend	0.852%	PBT polymer	30965-26-5	0.0287	Halogenated Antimony fire retardant				
			Brominated epoxy	68928-70-1	0.0205					
			Antimony oxide	1309-64-4	0.0062					
			Glass fiber	65997-17-3	0.0246					
Slider	Phosphor bronze	1.140%	Cu	7440-50-8	0.0354	RoHS Exemption 6(c)				
			Sn	7440-31-5	0.0034					
			Zn	7440-66-6	8.60E-05					
			Pb	7439-92-1	4.00E-06					
			Fe	7439-89-6	1.70E-05					
			P	7723-14-0	2.20E-05					
			Ag plating	Ag	506-64-9		0.0020			
			Electric conduction oil	PAO lubricant	0.043%		Polysobutylene	9003-27-4	3.60E-04	
							PAO	68037-01-4	0.0016	
							Fumed silica	68611-44-9	4.00E-05	
Polysobutylene	9003-27-4	0.0012								
Axes oil	PAO lubricant	0.032%	PAO	68037-01-4	7.00E-04					
			Fumed silica	68611-44-9	1.00E-04					
					Total Mass	3.7699 grams				