

Material Composition for Model PHS11R1D

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (grams)	Special Classification
Rotor	LCP	6.89%	Aromatic polyester resin	60088-52-0	1.30E-01	
			Glass Fiber	65997-17-3	4.00E-02	
			Inorganic Filler	trade secret	2.90E-02	
			Carbon Black	133-86-4	1.00E-03	
Wipers	Beryllium Copper	5.85%	Be	7439-89-6	3.39E-03	
			Ni	7440-02-0	8.49E-04	
			Fe	7439-89-6	1.70E-04	
			Al	7429-90-5	1.70E-04	
			Si	7440-21-3	1.70E-04	
			Pb	7439-92-1	1.70E-05	
			Cu	7440-50-8	1.65E-01	
	Silver Plating	0.01%	Ag	7440-22-4	2.10E-04	
			Ni	7440-02-0	9.00E-05	
	Terminals	Brass	27.29%	Cu	7440-50-8	5.15E-01
Zn				7440-66-6	2.77E-01	
Silver Plating		0.05%	Ag	7440-22-4	9.80E-04	
			Ni	7440-02-0	4.20E-04	
Body	PPS	56.88%	PPS	25212-74-2	9.74E-01	
			Glass Fiber	65997-17-3	6.60E-01	
			Additive		1.65E-02	
Housing	PPA	2.90%	Polyphthalamide		5.04E-02	
			Glass Fiber	65997-17-3	2.94E-02	
			Block polymer		3.36E-03	
			Carbon Black	133-86-4	8.40E-04	
Grease	Contact grease	0.14%	Organic gelatinizer	7631-86-9	2.90E-03	
			Synthetic base oil	6027974-01	1.00E-03	
			Additive		1.00E-04	
Total mass					2.901 grams	