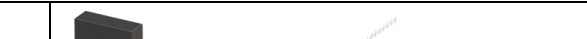


MATERIAL DECLARATION SHEET



Material Number	RTDW			
Product Line	Fixed Resistor			
Compliance Date	8/19/2025			
RoHS Compliant		MSL	1	

Reference P/N: RTDW2N

No.	Construction Element (Subpart)	Homogeneous Material	Material Weight (g)	Homogeneous Material Substance	CASRN	Material Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Compound Mold	Epoxy Mold	0.3400	Epoxy Resin	25068-38-6	17.00%	2.4470%	14.3940%
				Phenolic Resin	9003-35-4	8.00%	1.1515%	
				Mineral Fillers	60676-86-0	63.00%	9.0682%	
				Flame Retardants	Trade Secret	8.00%	1.1515%	
				Pigments	Not to Declare	4.00%	0.5758%	
2	Terminal	Copper C10200	0.25	Copper	7440-50-8	99.98%	10.5817%	10.5838%
			Oxygen	7782-44-7	0.02%	0.0021%		
		Tin Plating	0.01	Tin	7440-31-5	100.00%	0.4234%	0.4234%
3	Resistive Element	RN6000	0.0716	Nickel	7440-02-0	99.60%	3.0191%	3.0312%
				Iron	7439-89-6	0.40%	0.0121%	
4	Shell Molding	Epoxy Mold	1.6443	Epoxy Resin	25068-38-6	17.00%	11.8340%	69.6118%
				Phenolic Resin	9039-25-2	11.00%	7.6573%	
				Silica, Amorphous Fumed	112945-52-5	60.00%	41.7671%	
				GF-Fibre	65997-17-3	10.00%	6.9612%	
				Pigments	Not to Declare	0.50%	0.3481%	
				Miscellaneous	N/A	1.50%	1.0442%	
5	RTV Compound	RTV	0.0462	Silicone rubber	63394-02-5	70.00%	1.3691%	1.9559%
				Calcium-carbonate	471-34-1	27.30%	0.5340%	
				Ethyl silicate	11099-06-2	2.00%	0.0391%	
				Miscellaneous	N/A	0.70%	0.0137%	
		Total Weight	2.3621					

MATERIAL DECLARATION SHEET



Reference P/N: RTDW2B

No.	Construction Element (Subpart)	Homogeneous Material	Material Weight (g)	Homogeneous Material Substance	CASRN	Material Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Compound Mold	Epoxy Mold	0.3400	Epoxy Resin	25068-38-6	17.00%	2.4099%	14.1761%
				Phenolic Resin	9003-35-4	8.00%	1.1341%	
				Mineral Fillers	60676-86-0	63.00%	8.9310%	
				Flame Retardants	Trade Secret	8.00%	1.1341%	
				Pigments	Not to Declare	4.00%	0.5670%	
2	Terminal	Copper C10200	0.25	Copper	7440-50-8	99.98%	10.4215%	10.4236%
		Oxygen	7782-44-7	0.02%	0.0021%			
		Tin Plating	0.01	Tin	7440-31-5	100.00%	0.4169%	0.4169%
3	Resistive Element	Balco 70	0.1079	Nickel	7440-02-0	70.00%	3.1492%	4.4988%
				Iron	7439-89-6	30.00%	1.3496%	
4	Shell Molding	Epoxy Mold	1.6443	Epoxy Resin	25068-38-6	17.00%	11.6549%	68.5582%
				Phenolic Resin	9039-25-2	11.00%	7.5414%	
				Silica, Amorphous Fumed	112945-52-5	60.00%	41.1349%	
				GF-Fibre	65997-17-3	10.00%	6.8558%	
				Pigments	Not to Declare	0.50%	0.3428%	
				Miscellaneous	N/A	1.50%	1.0284%	
5	RTV Compound	RTV	0.0462	Silicone rubber	63394-02-5	70.00%	1.3484%	1.9263%
				Calcium-carbonate	471-34-1	27.30%	0.5259%	
				Ethyl silicate	11099-06-2	2.00%	0.0385%	
				Miscellaneous	N/A	0.70%	0.0135%	
		Total Weight	2.3984					

Reference P/N: RTDW2R

No.	Construction Element (Subpart)	Homogeneous Material	Material Weight (g)	Homogeneous Material Substance	CASRN	Material Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Compound Mold	Epoxy Mold	0.3400	Epoxy Resin	25068-38-6	17.00%	2.4977%	14.6925%
				Phenolic Resin	9003-35-4	8.00%	1.1754%	
				Mineral Fillers	60676-86-0	63.00%	9.2563%	

MATERIAL DECLARATION



				Flame Retardants	Trade Secret	8.00%	1.1754%	
				Pigments	Not to Declare	4.00%	0.5877%	
2	Terminal	Copper C10200	0.25	Copper	7440-50-8	99.98%	10.8011%	10.8033%
				Oxygen	7782-44-7	0.02%	0.0022%	
		Tin Plating	0.01	Tin	7440-31-5	100.00%	0.4321%	0.4321%
3	Resistive Element	Redi Seal	0.0236	Nickel	7440-02-0	29.00%	0.2959%	1.0203%
				Cobalt	7440-48-4	17.00%	0.1734%	
				Silicon	7440-21-3	0.20%	0.0020%	
				Carbon	7440-44-0	0.10%	0.0010%	
				Manganese	7439-96-5	0.30%	0.0031%	
				Iron	7439-89-6	53.40%	0.5448%	
4	Shell Molding	Epoxy Mold	1.6443	Epoxy Resin	25068-38-6	17.00%	12.0794%	71.0554%
				Phenolic Resin	9039-25-2	11.00%	7.8161%	
				Silica, Amorphous Fumed	112945-52-5	60.00%	42.6332%	
				GF-Fibre	65997-17-3	10.00%	7.1055%	
				Pigments	Not to Declare	0.50%	0.3553%	
				Miscellaneous	N/A	1.50%	1.0658%	
5	RTV Compound	RTV	0.0462	Silicone rubber	63394-02-5	70.00%	1.3975%	1.9964%
				Calcium-carbonate	471-34-1	27.30%	0.5450%	
				Ethyl silicate	11099-06-2	2.00%	0.0399%	
				Miscellaneous	N/A	0.70%	0.0140%	
		Total Weight	2.3141					

Reference P/N: RTDW2N

No.	Construction Element (Subpart)	Homogeneous Material	Material Weight (g)	Homogeneous Material Substance	CASRN	Material Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Compound Mold	Epoxy Mold	0.0680	Epoxy Resin	25068-38-6	17.00%	0.5531%	3.2534%
				Phenolic Resin	9003-35-4	8.00%	0.2603%	
				Mineral Fillers	60676-86-0	63.00%	2.0497%	
				Flame Retardants	Trade Secret	8.00%	0.2603%	
				Pigments	Not to Declare	4.00%	0.1301%	
2	Terminal		0.25	Copper	7440-50-8	99.98%	11.9588%	11.9612%

MATERIAL DECLARATION



		Copper C10200		Oxygen	7782-44-7	0.02%	0.0024%	
		Tin Plating	0.01	Tin	7440-31-5	100.00%	0.4784%	0.4784%
3	Resistive Element	RN6000	0.0716	Nickel	7440-02-0	99.60%	3.4120%	3.4257%
				Iron	7439-89-6	0.40%	0.0137%	
4	Shell Molding	Epoxy Mold	1.6443	Epoxy Resin	25068-38-6	17.00%	13.3740%	78.6709%
				Phenolic Resin	9039-25-2	11.00%	8.6538%	
				Silica, Amorphous Fumed	112945-52-5	60.00%	47.2025%	
				GF-Fibre	65997-17-3	10.00%	7.8671%	
				Pigments	Not to Declare	0.50%	0.3934%	
				Miscellaneous	N/A	1.50%	1.1801%	
5	RTV Compound	RTV	0.0462	Silicone rubber	63394-02-5	70.00%	1.5473%	2.2104%
				Calcium-carbonate	471-34-1	27.30%	0.6034%	
				Ethyl silicate	11099-06-2	2.00%	0.0442%	
				Miscellaneous	N/A	0.70%	0.0155%	
		Total Weight	2.0901					

Reference P/N: RTDW2B

No.	Construction Element (Subpart)	Homogeneous Material	Material Weight (g)	Homogeneous Material Substance	CASRN	Material Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Compound Mold	Epoxy Mold	0.0680	Epoxy Resin	25068-38-6	17.00%	0.5718%	3.3633%
				Phenolic Resin	9003-35-4	8.00%	0.2691%	
				Mineral Fillers	60676-86-0	63.00%	2.1189%	
				Flame Retardants	Trade Secret	8.00%	0.2691%	
				Pigments	Not to Declare	4.00%	0.1345%	
2	Terminal	Copper C10200	0.25	Copper	7440-50-8	99.98%	12.3627%	12.3652%
				Oxygen	7782-44-7	0.02%	0.0025%	
		Tin Plating	0.01	Tin	7440-31-5	100.00%	0.4946%	0.4946%
3	Resistive Element	Balco 70	0.0033	Nickel	7440-02-0	70.00%	0.1146%	0.1637%
				Iron	7439-89-6	30.00%	0.0491%	
4	Shell Molding	Epoxy Mold	1.6443	Epoxy Resin	25068-38-6	17.00%	13.8258%	81.3281%
				Phenolic Resin	9039-25-2	11.00%	8.9461%	

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				Silica, Amorphous Fumed	112945-52-5	60.00%	48.7969%	
				GF-Fibre	65997-17-3	10.00%	8.1328%	
				Pigments	Not to Declare	0.50%	0.4066%	
				Miscellaneous	N/A	1.50%	1.2199%	
5	RTV Compound	RTV	0.0462	Silicone rubber	63394-02-5	70.00%	1.5996%	2.2851%
				Calcium-carbonate	471-34-1	27.30%	0.6238%	
				Ethyl silicate	11099-06-2	2.00%	0.0457%	
				Miscellaneous	N/A	0.70%	0.0160%	
		Total Weight	2.0218					

Reference P/N: RTDW2R

No.	Construction Element (Subpart)	Homogeneous Material	Material Weight (g)	Homogeneous Material Substance	CASRN	Material Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Compound Mold	Epoxy Mold	0.0680	Epoxy Resin	25068-38-6	17.00%	0.5525%	3.2502%
				Phenolic Resin	9003-35-4	8.00%	0.2600%	
				Mineral Fillers	60676-86-0	63.00%	2.0476%	
				Flame Retardants	Trade Secret	8.00%	0.2600%	
				Pigments	Not to Declare	4.00%	0.1300%	
2	Terminal	Copper C10200	0.25	Copper	7440-50-8	99.98%	11.9469%	11.9493%
				Oxygen	7782-44-7	0.02%	0.0024%	
		Tin Plating	0.01	Tin	7440-31-5	100.00%	0.4780%	0.4780%
3	Resistive Element	Redi Seal	0.0737	Nickel	7440-02-0	29.00%	1.0213%	3.5217%
				Cobalt	7440-48-4	17.00%	0.5987%	
				Silicon	7440-21-3	0.20%	0.0070%	
				Carbon	7440-44-0	0.10%	0.0035%	
				Manganese	7439-96-5	0.30%	0.0106%	
				Iron	7439-89-6	53.40%	1.8806%	
4	Shell Molding	Epoxy Mold	1.6443	Epoxy Resin	25068-38-6	17.00%	13.3608%	78.5927%
				Phenolic Resin	9039-25-2	11.00%	8.6452%	
				Silica, Amorphous Fumed	112945-52-5	60.00%	47.1556%	
				GF-Fibre	65997-17-3	10.00%	7.8593%	
				Pigments	Not to Declare	0.50%	0.3930%	

MATERIAL DECLARATION



				Miscellaneous	N/A	1.50%	1.1789%	
5	RTV Compound	RTV	0.0462	Silicone rubber	63394-02-5	70.00%	1.5458%	2.2082%
				Calcium-carbonate	471-34-1	27.30%	0.6028%	
				Ethyl silicate	11099-06-2	2.00%	0.0442%	
				Miscellaneous	N/A	0.70%	0.0155%	
		Total Weight	2.0922					

This Document was updated on: 8/26/2025

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Resistive material weight will be different based on the resistance value.
3. The weight of the core and coating material will differ based on the size.