


# MATERIAL DECLARATION



Material Number	MF-R/90	
Product Line	Multifuse® PPTC Resettable Fuses	
Compliance Date	Jun 10, 2020	
Revision	C	
RoHS Compliant	Yes	

No.	Construction Element (subpart)	Homogeneous Material	Material Weight (g)	Homogeneous Material Substances	CASRN if applicable	Material Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Polymer Compound	Polythene type homopolymer	0.15365	HDPE	9002-88-4	42.0%	10.94%	26.04%
				Carbon Black	1333-86-4	49.0%	12.76%	
				Proprietary Additives	-----	9.0%	2.34%	
2	Foil	Copper foil	0.03883	Copper	7440-50-8	95.0%	6.25%	6.58%
				Nickel	7440-02-0	5.0%	0.33%	
3	Wire	Tin plated copper wire	0.17137	Copper	7440-50-8	99.5%	28.90%	29.04%
				Tin	7440-31-5	0.5%	0.15%	
4	Solder	Solder	0.13643	Tin	7440-31-5	99.3%	22.96%	23.12%
				Copper	7440-50-8	0.7%	0.16%	
5	Coating	Epoxy	0.08982	Bisphenol A diglycidyl ether	1675-54-3	40.0%	6.09%	15.22%
				Bisphenol A epoxy resin	25085-99-8	20.0%	3.04%	
				Silica Dioxide	14464-46-1	23.0%	3.50%	
				Non-halogen Flame Retardant	Trade Secret	12.0%	1.83%	
				Iron Oxide Yellow	51274-00-1	2.0%	0.30%	
				Titanium Dioxide	13463-67-7	3.0%	0.46%	
		<b>Total weight (grams)</b>	<b>0.59010</b>					

This Document was updated on: Jun 10, 2020

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.