

Materials Declaration

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Product Family : FX532AG - 3.2x5mm Crystal Glass Seal Type

	Material Name	Component	Content (mg)	Content (w t %)	(CAS Number)
Cover	Alumina	Alumina (Al ₂ O ₃)	17.208	23.26%	1344-28-1
		Silicon Dioxide (SiO ₂)	0.480	0.649%	14808-60-7
		Titanium Oxide (TiO ₂)	0.456	0.616%	13463-67-7
		Sodium Oxide (Na ₂ O)	0.048	0.065%	1313-59-3
		Iron Oxide (Fe ₂ O ₃)	0.456	0.616%	1309-37-1
		Manganese Dioxide (MnO ₂)	0.432	0.584%	1313-13-9
	Seal Glass	Lead Oxide (PbO)	3.792	5.125%	1317-36-8
		Titanium Oxide (TiO ₂)	0.312	0.422%	13463-67-7
		Bismuth Oxide (Bi ₂ O ₃)	0.288	0.389%	1304-76-3
		Boron Oxide (B ₂ O ₃)	0.144	0.195%	1303-86-2
		Zinc Oxide (ZnO)	0.144	0.195%	1314-13-2
		Iron Oxide (Fe ₂ O ₃)	0.120	0.162%	1309-37-1
		Copper Oxide (CuO)	0.048	0.065%	1317-38-0
		Calcium Oxide (CaO)	0.048	0.065%	1305-78-8
	Silicon Dioxide (SiO ₂)	0.024	0.032%	14808-60-7	
Base	Ceramic	Alumina (Al ₂ O ₃)	23.171	31.317%	1344-28-1
		Silicon Dioxide (SiO ₂)	0.783	1.058%	14808-60-7
		Chromium Oxide (Cr ₂ O ₃)	1.392	1.881%	1308-38-9
		Titanium Oxide (TiO ₂)	0.145	0.196%	13463-67-7
		Magnesium Oxide (MgO)	0.145	0.196%	1309-48-4
		Calcium Oxide (CaO)	0.116	0.157%	1305-78-8
	Conductor	Tungsten (W)	2.784	3.763%	7440-33-7
		Molybdenum (Mo)	0.087	0.118%	7439-98-7
	Ni Plating	Nickel (Ni)	0.203	0.274%	7440-02-0
		Cobalt (Co)	0.087	0.118%	7440-48-4
	Gold Plating	Gold (Au)	0.087	0.118%	7440-57-5
Crystal	Crystal	Silicon Dioxide (SiO ₂)	3.000	4.055%	7631-86-9
	Electrode	Silver (Ag)	12.999	17.569%	7440-22-4
	Adhesive	Silver (Ag)	4.24000	5.731%	7440-22-4
		Silicone resin	0.750000	1.014%	
TOTAL			73.989	100.00%	