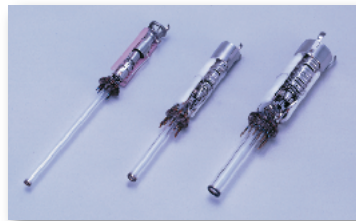


Electron Parts Materials



Toshiba Materials has accumulated experience as a developer and supplier of reliable cathodes, anodes and other CRT components. Our components are widely used in such applications as large-scale transmission tubes, color CRTs and magnetrons.

Standard Specification

Product name	Composition [wt%]	Features	Applications
NIR	Ni 99.0 over	Pure nickel for electronic tubes It has excellent machinability and emits minimal gas.	Anodes of various electronic tubes
NIW	Ni 98.5 over		Lead-in wires, Various lead wires
VTN	Ni 99.8 over		Various electronic tube parts
ING	Ni 36, Fe Bal.	Invar It is a high-purity alloy, and has a low thermal expansion coefficient and excellent machinability.	Invar mask, precision parts Bimetal material
SIG	Ni 32, Co 5 Fe Bal.	Super Invar It has an especially low thermal coefficient.	Precision components
IMO	Cr 20 Ni Bal.	It is high-purity nichrome alloy and has good machinability and high thermal resistance.	CRT grids, Vidicon
SFS	Cr 16, Ni 14 Fe Bal.	It is non-magnetic stainless steel and has good machinability and emits minimal gas.	CRT grids
SNS™	Cr 18, Ni 11 Fe Bal.		
ICL	Cr 16, Fe 6 Ni Bal.	It has high heat resistance, high corrosion resistance and superior properties for springs.	Getter supports of CRTs