

Abstract

Magnetic shield materials used in color picture tubes which have excellent inner magnetic shield characteristics and an excellent handling strength, method for producing the materials and color picture tubes produced by incorporating the materials are provided. The magnetic shield materials produced by subjecting hot rolled low carbon steel strips essentially consisting of equal to or less than 0.006 weight % of C, equal to or less than 0.002 weight % of N, equal to or less than 0.5 weight % of Mn, 0.5 - 2.5 weight % of Si, Fe as a balance and unavoidable impurities to a cold rolling and subsequently annealing the cold rolled steel strip at a temperature of 500 - 700 °C and applying a nickel plating thereto after annealing.

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