(4) Nuclear waste management program (Canister

The reprocessing of spent nuclear leaves behind high-level radioactive waste which must be stored securely.

At present, spent nuclear fuel and high-level waste are temporally stored in indore, and stored in underground tunnels after a certain period of indoor atorace is under consideration.

In this case, the waste would be put into metal canisters with an additional over-pack. However, due to the heat emission, the metal of such packing is expected to suffer from crevice corresion.

ASTM Grade 12 [Ti-0.88i-0.38c, G12], which is remistant to high temperatures and crevice corresion, is considered to be one of the candidate materials for such over-packing although there are a number of problems to be solved before making a decision on the underground storage of radiacetive waste.

Wide only, thish plates, and thinwall sear-orded takes produced from a large-scale logod of GI wave lowest/gast as to corsoin resistance, mechanical properties, wishellity and so on. It was clarified that the GIZ allay has several elementapeous features the coverse corrections resistance of the allay was almost equal to those of O and MODITIS—context II, and the maximum almost access whale to be designed height that that of C.F.II. It is expected that industrial explication of the GIZ allay will increase owing to the low case and high describit.

GI wide coils and thin-wall wided tubes were numbratured on a commercial production basis, and correction resistance, physical properties, and weighbility were investigated. It was confirmed that GI provides for seperior correction resistances, separating covered correction resistances as seems in Fig.6, to C.F.TI and has properties close to GI and REVITO_CORDET II. From the vieopoint of cost, GI is less exemusity than GO = ROVITO_CORDET or ROVITO_CORDET or CORRECT, GI is less exemusity than GO = ROVITO_CORDET or ROVITO_CORDET or