

Columbium-6 w/o Vanadium to Columbium-6 w/o Vanadium

Excellent bonding was achieved in this system at 1250° C. and 10,000 psi for 3 hrs. as shown in Fig. 2. Etching in a nitric-hydrofluoric acid solution is a satisfactory surface preparation. Base metal properties were achieved.

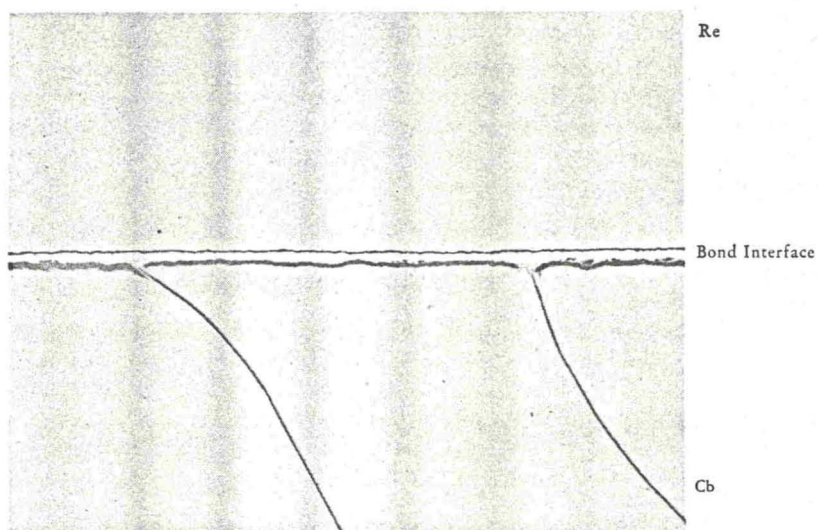


Fig. 3. Bond between columbium and rhenium. $\times 500$.

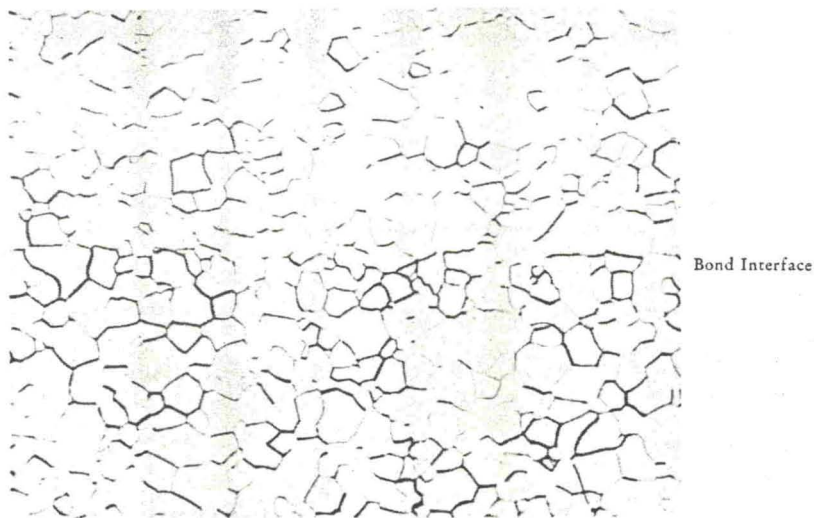


Fig. 4. Molybdenum self bond. $\times 100$.