

Tungsten-Tungsten

Self bonds have been produced in tungsten which have given parent metal strength even to temperatures of 2500° C. Surface preparations should be done so as to produce as smooth a surface as possible. Final cleaning in dry hydrogen at 1100° C. or higher is effective. Fig. 15 shows a bond prepared

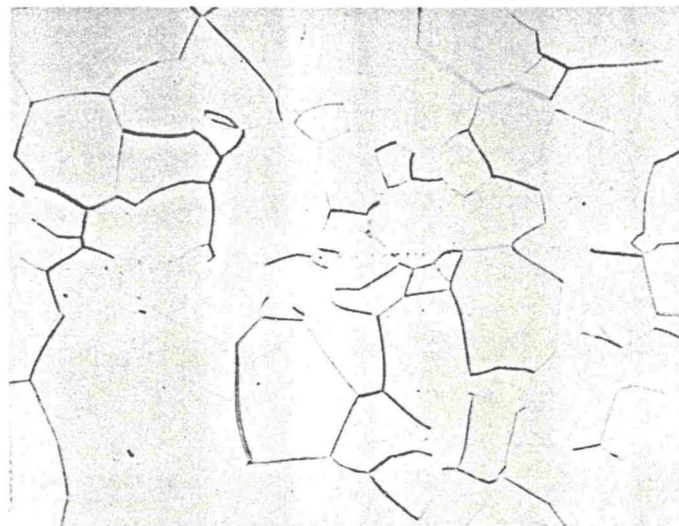


Fig. 15. Tungsten self bond. × 250.

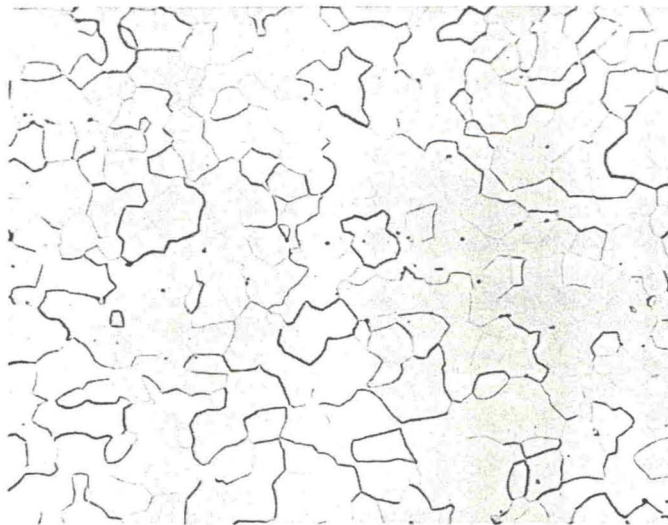


Fig. 16. Tungsten-26 w/o rhenium alloy self bond. × 250.