

CR-SI SINTERED BODY

ABSTRACT

It is difficult for a Cr-Si-based sintered body composed of chromium silicide (CrSi_2) and silicon (Si) to have high strength.

5 Provided is a Cr-Si-based sintered body including Cr (chromium) and silicon (Si), in which the crystal structure attributed by X-ray diffraction is composed of chromium silicide (CrSi_2) and silicon (Si), a CrSi_2 phase is present at 60 wt% or more in a bulk, a density of the sintered body is 95% or more, and an average grain size of the CrSi_2 phase is 60 μm or less.

[Fig .1]