

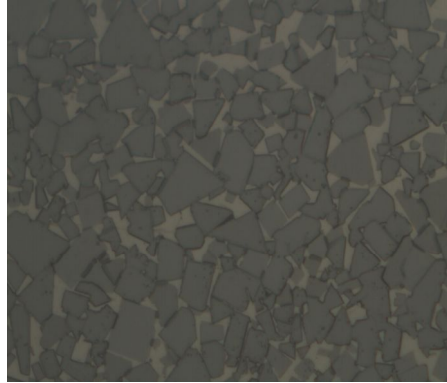


Viper Carbide & Metals, Inc.

Carbide Rolls Grade - VCA10

Chemical Content (Wt/Wt %)

WC	90%
CoNiCr	10% Binder



Physical and mechanical properties

Density (g/cm ³)	ISO3369	14.46-14.56
Hardness HRA	ISO3878	85.6-86.5
TRS(N/mm ²)	ISO3327	≥ 2400

Micro Structure

Micro porosity ISO4505

A (<10 μm) : 02

B (10-25 μm) : 02

C : 00

Grain Size (micron) ISO 4499 : 2.0 – 3.2 μm

η phase ISO 4499 : E00

Application:

Hot Rolling

