

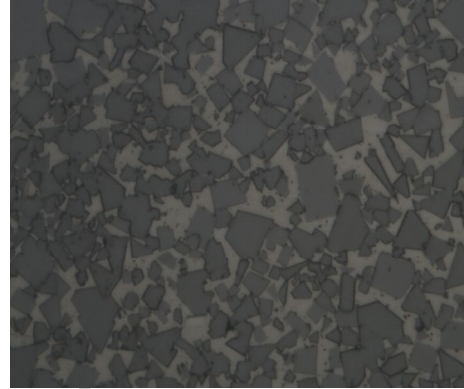


Viper Carbide & Metals, Inc.

Carbide Rolls Grade – VCA20

Chemical Content (Wt/Wt %)

WC	80%
CoNiCr	20% Binder



Physical and mechanical properties

Density (g/cm ³)	ISO3369	13.45-13.55
Hardness HRA	ISO3878	81.5-83.0
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 :	2.4 – 3.2 μm
η phase	ISO 4499 :	E00

Application:

Hot Rolling

