

Chemical Content (Wt/Wt %)

Co	6.0%
WC+Other carbides	Balance

salesdepartment@zccamerica.com



(Picture of micro structure at 1000x)

Physical and mechanical properties

Density(g/cm3)	ISO3369	14.91±0.05
Hardness HV30	ISO3878	1850(typical) / 1800 (Min)
HRA		93.1(typical)/ 93 (Min)
4 π σ (μ Tm3/kg)		9.1-11.45
HC(KA/m)	ISO3326	30.0±3.0
TRS(N/mm2)	ISO3327	Sample B: 3200(typical) / 2700 (Min)
Kic (Mpa.m ^{1/2})		9.17

Micro Structure

Micro porosity	ISO4505
A (<10 μ m)	: ≤02
B (10-25 μ m)	: ≤00
C	: ≤00

Grain Size (micron)	ISO 4499 :	0.6um
η phase	ISO 4499 :	E00

Applications:

Popular grade for the machining of composite materials such as aluminum-magnesium alloy, reinforced plastic and carbon fiber, iron-based alloys. Recommended for the drilling and milling of aluminum-magnesium alloys.