

Grade: YG7

Chemical Composition : (Nominal Percentages)

Tungsten Carbide (WC)	93.0 %
Cobalt (Total Binder content)	7.0 %

Physical Properties :

A. Hardness	1450-1490	HV30 (90.5-91.8HRA)
B. Density		14.75-15.00 g/cm ³
C. Maximum Porosity		
1. Type A	A02	
2. Type B	B00	
3. Type C	C00	
D. Average Carbide Grain Size	1.0-1.2 micron.	
E. Average Tungsten Carbide Grain Size (F.S.S.S)	1.0-2.0 micron.	
F. Magnetic Saturation	140-160 Gauss cm ³ /g	(CoM 5.74-7.00%)
G. Coercive Force	170-220 Oersteds	(13.5-17.5 KA/m)
H. Transverse Rupture Strength on Polished Test Piece		≥2400N/mm ²