

Tungsten Carbide Materials Data Sheet

Property	Units	Z6
Description		
Nominal Composition		WC (93%) Co (6%) TaC (1%)
Average Grain Size (F.S.S.S)	[μm]	0.8
Microstructure		
Density	[g/cm^3]	14.90—15.00
Apparent Porosity	[vol%]	2.59
Colour		Dark grey
Mechanical Properties		
Characteristics		Very high wear
Transverse Rupture Strength	[N/mm^2]	3000
Vickers Hardness	[kg/mm^2]	1640 ~ 1780
Magnetic Saturation	[emu]	100 ~ 115
Coercivity	[Oe]	270 ~ 315

Note: The above data represent typical values of Rojan Tungsten Carbide.