



Tungsten Carbide

Tungsten carbide is widely used as seal faces with resistant-wearing, high fractural strength, high thermal conductivity, small heat expansion co-efficient. It is the best material to resist heat and fracture in all hard face materials.

TC physical property

Technical Parameter		Unit	YWN6	YWN8	YG6	YG8	DYNT60
Composition	WC	%	94	92	94	92	
	Ni	%	6	8			
	Co	%			6	8	
Density	g/cm ³	14.5 ~ 14.9	14.4 ~ 14.8	14.6 ~ 15	14.5 ~ 14.9	6.5 ~ 6.8	
Hardness	HRA	≥88.5	≥88	≥89.5	≥89	≥90	
Fractural Strength	Mpa	1490	1470	1421	1440	1480	
Heat Expansion Co-efficient	10 ⁻⁶ /K	5.2	5.3	5	5.1	7.5	