



NINGBO LIHE MAGNETIC INDUSTRY CO., LTD

TUNGSTEN CARBIDE MATERIAL TECHNICAL DATA

Operating Limits	Units	TUNGSTEN CARBIDE
Hardness	HV3	1100-1400
Density	Kg/M3	14600-14900
Bending Strength	Mpa	2400-2600
Compression Strength	Mpa	4100-4300
Modulus of Elasticity	Gpa	560-5803
Thermal Conductivity	W/m.k	75-110
Coefficient of Heat Expansion	10⁻⁶/°C	5.6-5.8
Poisson Ratio		0.20
Specific Heat Capacity	J/kg.K	200
Electrical Resistance	10⁻⁶ Ω · M	0.16-0.19
Grain Size (normal)	µm(normal)	1.5