

TUNGSTEN CARBIDE MATERIAL GRADE SPECIFICATION

Grade	ISO Grade	Density (g/cm ³)	TRS(N/mm ²)	HAR
YG3	K05	15.2	≥1230	92.0
YG3X	K01	15.2	≥1080	92.5
YG3A	K05	15.1	≥1250	92.5
YG6	K15~K20	14.9	≥1420	90.5
YG6X	K10	14.9	≥1370	91.5
YG6A	K10	14.9	≥1370	92.0
YG8	K30	14.7	1760	90.0
YG8C	K30	14.5~14.9	2000	88.0
YG8A	K25~K30	14.7	2000	90.5
YG11	K35	14.0~14.5	2060	87.0
YG11C	K40	14.0~14.5	2100	86.5
YG13C	K40	14.0~14.3	2160	86.0
YG15	K40	13.9~14.2	2160	87.0
YG16C	K40	13.8~14.1	2200	84
YG20	K40	13.4~13.7	2230	85
YG20C	K40	13.4~13.7	≥2230	82
YG25C	K50	12.9~13.1	2520	80
YN6		14.8~15	1600	90~91
YN8		14.6~14.8	1760	90
YT5	P10	11.3	≥1310	92
YT5A	P10	11.3	≥1310	92
YT14	P10	11.3	≥1310	92
YT14A	P10	11.3	≥1310	92
YT15	P10	11.3	≥1310	92
YT15A	P10	11.8	≥1310	92
YT30	P05	9.5	≥1080	92.5
YT30A	P05	9.5	≥1080	92.5
YW1	M10	13.0	≥1300	92.5
YW2A	M15	12.9	≥1480	91.5
K01	K01	14.8~15.0	≥1000	≥93.5
WF	K05	14.5~14.7	≥1300	≥93.0
K10	K10	14.2~14.4	≥1500	≥92.5
K20	K20	14.0~14.2	≥1700	≥92.0
K30	K30	13.8~14.0	≥2000	≥91.5
K40	K40	13.6~13.8	≥2000	≥90.5
YP05	P05	13.3~14.2	≥1200	≥93.0
YP10	P10	13.1~13.8	≥1400	≥92.5
YP20	P20	12.8~13.4	≥1600	≥92.0
YP30	P30	12.6~13.1	≥1800	≥91.5
YP40	P40	12.4~12.9	≥2000	≥90.5
YN05	R05	6.1~6.4	≥1000	≥92.5
TN15	R15	6.2~6.5	≥1000	≥91.5
TN25	R25	6.3~6.6	≥1400	≥90.5