



ZY CARBIDE COMPANY

156 Sonwil Drive

Buffalo, NY 14225, U.S.A.

Grade Specification

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Grade	Co %	WC %	TiC/TaC %	Density g/cm3	Hardness HV10	HRA	Transverse Rupture Strength Mpa	P.S.I.	Grain Size Ave. microns
ZY 06UF	6.0	94.0		14.85	2080	94.5	4300	624,000	0.5
ZY 08UF	8.0	92.0		14.65	1950	93.8	4400	638,000	0.5
ZY 10UF	10.0	90.0		14.40	1880	93.0	4480	650,000	0.5
ZY 12UF	12.0	88.0		14.10	1720	92.6	4600	667,000	0.5
ZY 15UF	15.0	85.0		13.90	1590	91.9	3900	565,500	0.5
ZY 06EF	6.0	94.0		14.90	1880	93.0	3500	508,000	0.8
ZY 08EF	8.0	92.0		14.60	1750	92.5	3600	522,000	0.8
ZY 10EF	10.0	90.0		14.45	1610	91.9	3700	536,500	0.8
ZY 12EF	12.0	88.0		14.30	1480	91.3	3800	551,000	0.8
ZY 15EF	15.0	85.0		14.00	1330	90.8	3800	551,000	0.8
ZY 20EF	20.0	80.0		13.15	1250	89.0	3500	507,500	0.8
ZY 06F	6.0	94.0		14.95	1635	92.0	2200	319,000	1.5
ZY 09F	9.0	91.0		14.55	1500	91.3	3000	435,000	1.5
ZY 11F	11.5	88.5		14.37	1400	90.5	3200	464,000	1.5
ZY 12F	12.0	88.0		14.32	1350	89.9	3200	464,000	1.5
ZY 13F	13.0	87.0		14.22	1350	90.0	3100	450,000	1.5
ZY 14F	14.0	86.0		14.12	1300	89.5	3100	450,000	1.5
ZY 15F	15.0	85.0		14.00	1250	89.0	3100	449,000	1.5
ZY 06M	6.0	94.0		15.00	1470	91.0	2620	380,000	3
ZY 08M	8.5	91.5		14.60	1440	90.6	2900	421,000	3
ZY 10M	10.0	90.0		14.50	1350	90.1	3000	435,000	3
ZY 12M	12.0	88.0		14.30	1250	88.8	3400	492,000	3
ZY 15M	15.0	85.0		14.05	1130	87.5	3720	540,000	3
ZY 20M	20.0	80.0		13.65	1100	87.3	3600	522,000	3
ZY 25M	25.0	75.0		13.15	950	85.3	3400	493,000	3
ZY 06G	6.0	94.0		15.00	1350	90.1	2800	406,000	4.5
ZY 08G	7.8	92.2		14.75	1300	89.5	2830	410,000	4.5
ZY 09G	9.5	90.5		14.45	1250	88.9	2930	425,000	4.5
ZY 10G	10.0	90.0		14.50	1200	88.4	3000	435,000	4.5
ZY 12G	12.2	87.8		14.20	1160	88.0	2760	400,000	4.5
ZY 06C	6.0	94.0		15.00	1250	89.0	2800	406,000	6
ZY 08C	8.0	92.0		14.71	1200	88.5	2900	420,000	6
ZY 10C	10.0	90.0		14.50	1160	88.0	3000	430,000	6
ZY 12C	12.0	88.0		14.30	1080	87.1	3000	440,000	6
ZY 15C	15.0	85.0		14.05	1060	86.7	3150	456,750	6
ZY 20C	20.0	80.0		13.65	930	85.1	3200	464,000	6
ZY 20T	20.0	77.0	3	13.40	905	85.0	3200	464,000	6
ZY 25C	25.0	75.0		13.15	840	83.5	3200	464,000	6
ZY 25T	25.0	73.0	3	12.90	800	83.3	3200	464,000	6
ZY 30C	30.0	70.0		12.75	750	83.0	3200	464,000	6
ZY 06K	5.7	94.3		15.00	1185	88.2	2000	290,000	8
ZY 08K	8.0	92.0		14.71	1130	87.5	2070	300,000	8
ZY 09K	9.5	90.5		14.45	1035	86.4	2200	320,000	8
ZY 15K	15.0	85.0		14.05	905	84.9	2350	340,000	8
ZY 20K	20.0	80.0		13.45	860	84.2	2500	360,000	8
ZC 25K	25.0	75.0		13.15	725	82.7	2200	320,000	8
ZY 30K	30.0	70.0		12.75	620	81.5	2070	300,000	8
ZY T15	6.0	79.0	15	11.30	1465	91.0	2070	300,000	P10
ZY T14	8.0	77.0	15	11.40	1400	90.5	2070	300,000	P20
ZY Z25									P25
ZY T5	9.0	84.5	6.5	12.95	1340	90.0	2400	350,000	P30
ZY M40									P40
ZY S8									M05
ZY M05									M05
ZY W1	6.0	84.0	10	13.20	1525	91.5	2240	325,000	M10
ZY W2	8.0	82.0	10	13.10	1400	90.5	2400	350,000	M20
ZY T04F									K05
ZY G3	3.0	97.0		15.25	1525	91.5	2480	360,000	K05
ZY 6X	6.0	93.5	0.5	14.95	1465	91.0	2620	380,000	K10
ZY 6A	6.0	92.0	2	14.90	1525	91.5	2620	380,000	K10
ZY G6	6.0	94.0		15.00	1465	91.0	2620	380,000	K20
ZY G8	8.0	92.0		14.71	1290	89.5	2830	410,000	K30