



## Tungsten Carbide Grade List

Listed below are the Dymet tungsten carbide grades with, where applicable, equivalent ISO codes.

The list also includes information about the basic composition of the grades and their physical properties.

Dymet Grade Number	Average Grain Size $\mu\text{m}$	ISO Code	Composition: % by weight						Trans Rupture $\text{N/mm}^2$	Hardness HV50	Density $\text{g/cm}^3$
			WC	TiC	TaC	Cr3C2	C o	Ni			
DF3	0.8	K01	96.7			0.3	3.0		1400	2000	15.25
D100	1.0	K01/K05	85.3	4.0	5.0	0.7	5.0		1600	1900	13.5
DF6	1.0	K10	92.7		1.0	0.3	6.0		1800	1750	14.9
DM6	2.0	K20	93.0		1.0		6.0		1900	1600	14.9
DC7	4.5	K30	93.0				7.0		2200	1450	14.8
D10	3.5	K40	90.0				10.0		2400	1350	14.5
D13	3.5		87.0				13.0		2500	1250	14.2
D15	3.5		85.0				15.0		2550	1200	14.0
D17	3.5		83.0				17.0		2600	1150	13.9
D20	3.5		80.0				20.0		2700	1000	13.5
D25	3.5		75.0				25.0		2800	925	13.0
DC10	5.5		90.0				10.0		2450	1250	14.5
DC16	5.5		84.0				16.0		2600	1050	13.95
DF10	0.8	M30	89.5			0.5	10.0		2000	1600	14.5
DF15	0.8		84.7			0.3	15.0		2400	1350	14.1
DN6	2.0		94.0					6.0	1700	1550	14.85
DN10	2.0		90.0					10.0	2000	1250	14.5
DS1	1.5	P10	71.5	17.0	4.0		7.5		1400	1650	11.0
DS2	1.5	P20	78.0	9.0	4.0		9.0		1700	1600	12.4
DS3	3.0	P30/P40	78.5	3.0	8.0		10.5		2000	1400	13.5