



Specifications of carbide

Carbide Type	% WC	% Co	% others	Density g/cm ³	Hardness HRA ISO3738	Hardness HV30 kg/mm ²	Magn. saturation 4πσ	Coercitive Field intensity kA/m-1	Bending-strength N/mm ²	Porosity			Structure	
										A	B	C	α	γ
K-10Dia	93	6	1	14.8	92.2	1790	10.4	22.5	>3000	<02	<02	<02	Fine	Fine
K-20F	92	8	-	14.6	92.5	1710	15	23	>3200	<02	00	00	Fine	Fine
K-40UF	90	10	-	14.5	92.3	1610	16	21	>4000	<02	00	00	Ultra-fine	Ultra-fine
K-44UF	88	12	-	14.05	92.5	1680	19	26	>4000	<02	00	00	Ultra-fine	Ultra-fine
K-55SF	91	9	-	14.4	93.9	1920	14	39	>4000	<02	00	00	Super-fine	Super-fine
K-88UF	90	10	-	14.4	93.0	1770	15	28	>3500	<02	00	00	Ultra-fine	Ultra-fine
G-20	87	11.5	1.5	14.2	88	1250	12	21	>2500	<02	00	00	Medium	Medium

Specified values may deviate within normal tolerances.

As of: February 2009

Grain sizes:

Super-fine	0.2 – 0.3 μ
Ultra-fine	0.4 – 0.6 μ
Fine	0.6 – 0.8 μ
Medium	1.0 – 1.5 μ

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