



Ultra Carbide Inc.

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G-ELIT

Ultra Carbide Inc. /Plant
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Lübarser Straße 10 -38
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Carbide grade: DK 120UF

Chemical Composition:

WC 93,00 %
Co 7,00 %



Physical Properties:

Density (ISO 3369)	[g/cm ³]:	14,70 ± 0,20
Coercive Force (ISO 3326)	[kA/m]:	27,85 ± 2,79
	[Oe]:	370 35
Magnetic Saturation	[0.1µT·m ³ /kg]:	115 ± 10
Hardness (ISO 3878)	HV30 [kg/mm ²]:	1850 ± 50
Hardness (ISO 3778)	HRA	93.4 0,2
TRS (ISO 3327/Type B)	[N/mm ²]:	3000 Minimum
K1C	[MPa](m) ^{1/2}]	9,4 Minimum
Porosity [ISO 4505]		A<02 B<02
Microstructure		Homogenous, no eta-Phase, no free carbon
WC- Grain Size (FSSS)		0,5 µm
Classification [ISO 513]		K05 US/Buick C3, C4

Ultra fine grade with high hardness for reamer applications.