



Quality Carbide Metals, Inc.

## **CARBIDE GRADES**

TYPE OF CARBIDE	INDUSTRY CLASS	Q.C.M.I. GRADE	COMPOSITION				HARDNESS (RA)	DENSITY (g/cc)
			%Co	%WC	%TaC	%TiC		
Non-metallic & Cast iron	C-1	<b>QC-10</b>	6.0	94.0			90.5 – 91.5	14.90
General purpose machining	C-2	<b>QC-20</b>	6.0	94.0			91.8 – 92.4	14.90
	C-2 Micrograin	<b>QC-90M</b>	10.0	90.0			91.5 – 92.5	14.50
Abrasive Wear	C-3 Micrograin	<b>QC-20M</b>	6.0	94.0			92.8 – 93.5	14.90
	C-3	<b>QC-30</b>	4.5	95.5			92.3 – 93.0	15.10

Steel Cutting and Machining	C-5	<b>QC-52</b>	9.0	81.0	5.0	5.0	90.5-91.5	13.15
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Die & Wear Grades (Light to Heavy Impact)	C-9	<b>QC-90M</b>	10.0	90.0			91.5 – 92.5	14.50
	C-10	<b>QC-100</b>	9.0	91.0			89.5 – 90.5	14.60
	C-11	<b>QC-110</b>	13.0	87.0			88.0 – 89.0	14.25
	C-12/13 Micrograin	<b>QC-130M</b>	15.0	85.0			89.2 – 90.2	14.00
	C-13	<b>QC-130</b>	15.0	85.0			87.0 – 88.0	14.00
	C-14	<b>QC-220</b>	20.0	80.0			85.0 – 86.0	13.65
	C-17	<b>QC-225</b>	25.0	75.0			83.5 – 84.5	13.20

**CONSISTENT WEAR LIFE, WAXLESS GRADES  
MADE IN SPARTANBURG, SC- USA**

**We look forward to working with you!**

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**WWW.QUALITYCARBIDE.COM**