



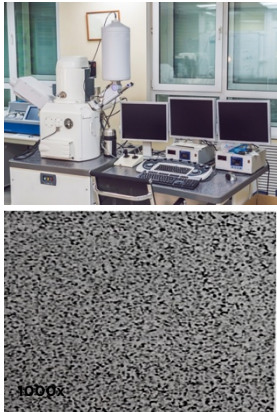
IA6F SUB-MICRON CEMENTED CARBIDE

IA6F with 6% binder and sub-micron grain structure provides very high hardness for maximum life in the toughest wear applications. This grade is ideal for low impact / high wear applications such as Ironing Dies, Belt Cleaning Blades, Pelletizing Dies, Wire Drawing Nibs, Reamers, Compaction Tooling, Attritor Balls and Wear Liners.

This grade utilizes 100% Virgin Powder and is processed using SinterHip Technology to maximize consistency and performance.

CHEMICAL AND PHYSICAL PROPERTIES

Chemical Composition		Physical Properties			Micro-Structure	
WC	Co	Hardness	Density	TRS	Grain Size	Porosity
%		HRA	g/cm ³	psi	µm	ABC
94.0	6.0	92.5 - 93.0	14.90	435K	0.7	A02B00C00



All data are typical values - *TRS in accordance with ASTM Standard B406

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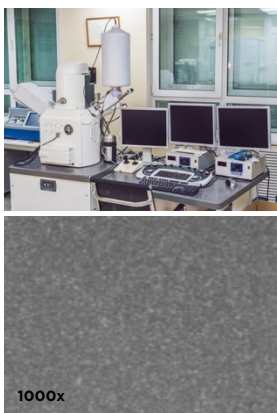
IA101S SUB-MICRON CEMENTED CARBIDE

IA101S with 10% binder and sub-micron grain structure provides very high hardness for maximum life in the toughest wear applications. This grade is ideal for medium to high impact / high wear applications such as Bodymaker Punches, Stamping Punches, Pelletizing Blades, Cutting Tools, Powder Compaction Tooling, Metal Cutting Hobs and applications requiring a balance of impact and wear resistance.

This grade utilizes 100% Virgin Powder and is processed using SinterHip Technology to maximize consistency and performance.

CHEMICAL AND PHYSICAL PROPERTIES

Chemical Composition		Physical Properties			Micro-Structure	
WC	Co Cr ₃ C ₂	Hardness	Density	TRS	Grain Size	Porosity
%		HRA	g/cm ³	psi	µm	ABC
90.0	10.0	92.5	14.45	550K	0.7	A02B00C00



All data are typical values - *TRS in accordance with ASTM Standard B406

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