## meusburger

MATERIAL NO.:		CF-H25S+	
DESIGNATION:	ISO: US Industry:	K20/K30 C10/C13	<b>TECHNICAL TIP:</b> <b>&gt;</b> Alternative to CF-H40S+ for abrasive wear
CHEMICAL COMPOSITION (%):	WC Co Other	90.3 8.5 1.2	After wire cutting, dry the parts for approx. 2-3 hours in a furnace at max. 100-110 °C to remove the liquid from the binder
PHYSICAL AND MECHANICAL CHA	RACTERISTICS:		
» Average WC grit size:		very fine to fine	
» Density (ISO 3369):		14.55 g / cm³	
» Hardness (ISO 3878):		1680 HV10	
» Flexural strength (ISO 3327):		3600 MPa	
» Compressive strength:		6500 MPa	
» Elastic modulus:		592 GPa	
» Fracture toughness:		10.3 MPa m <sup>1/2</sup>	
» Thermal conductivity at 100 °C:		90 W/mK	
» Coefficient of thermal expansion (20-400 °C):		5.1 10 <sup>.</sup> / K	
» Corrosion resistance:		yes	
CHARACTER:		» Very fine/fine grain grade with good edge stability despite high hardness	
APPLICATION:		>> Cutting punches and dies for abrasive materials and materials prone to welding	
TREATMENT BY:		<ul> <li>» Polishing: highly suitable</li> <li>» EDM: suitable</li> <li>» Coating: suitable</li> <li>» Laser cutting: suitable</li> </ul>	

