
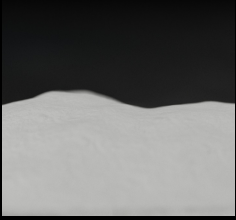


# CEWELD Powder

## NiCrBSi WC2

TYPE	Nickel based metal powder with high tungsten carbide content														
APPLICATIONS	Flame spray powder for overlay spray and fuse and Laser or PTA welding on wear parts that need to outlast new parts where high temperatures combined with corrosion and wear resistance is required.														
PROPERTIES	Self fluxing Tungsten alloy with excellent corrosion and wear resistance suitable for working temperatures Up to 950°C. The coatings are dense and practically oxide free. The low friction properties makes the alloy excellently suitable for metal to metal wear. Machinable by grinding.														
CLASSIFICATION	EN ISO                    14232-1 WC-NiCr 60/30/3														
SUITABLE FOR	Knives, cutter blades, agriculture, glas industry, nozzle molts, impellers, extruders etc.														
APPROVALS															
WELDING POSITIONS															
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 14%;">C</th> <th style="width: 14%;">Si</th> <th style="width: 14%;">Cr</th> <th style="width: 14%;">Ni</th> <th style="width: 14%;">Fe</th> <th style="width: 14%;">B</th> <th style="width: 14%;">WC</th> </tr> </thead> <tbody> <tr> <td>2.5</td> <td>1.8</td> <td>3</td> <td>Rem.</td> <td>0.6</td> <td>1.2</td> <td>60</td> </tr> </tbody> </table>	C	Si	Cr	Ni	Fe	B	WC	2.5	1.8	3	Rem.	0.6	1.2	60
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MECHANICAL PROPERTIES	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 33%;">Heat Treatment</th> <th style="width: 16.5%;">R<sub>P0,2</sub> (MPa)</th> <th style="width: 16.5%;">R<sub>m</sub> (MPa)</th> <th style="width: 16.5%;">A<sub>5</sub> (%)</th> <th style="width: 19%;">Hardness</th> </tr> </thead> <tbody> <tr> <td>As Welded</td> <td></td> <td></td> <td></td> <td>62 HRc</td> </tr> </tbody> </table>	Heat Treatment	R <sub>P0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Hardness	As Welded				62 HRc				
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As Welded				62 HRc											
REDRYING	Not required														
GAS ACC. EN ISO 14175	None														



# CEWELD Powder NiCrBSi WC2

POWDER NICRBSI WC2 (-  
125/25 MM)MM

Packaging	KG/unit	EanCode
Can	3,5	8720663410542