

CEWELD Powder Nickel 3

TYPE	Gas atomized Nickel spray powder (NiBSi), suitable for spray - fuse and Cast iron welding.										
APPLICATIONS	CEWELD Powder Nickel 3 is designed for spray and fuse applications. For wear parts that need to outlast new parts where high temperature combined with corrosion and wear resistance is required. Small shafts, the leading edge of screw and centrifuge flights, keyways, splines and cams can all be efficiently coated or rebuilt with this process. Particularly well suited to the protection and restoration of glass container moulds. Also used for the restoration of automotive parts (clutch parts) or for repairing surface flaws in cast iron parts.										
PROPERTIES	CEWELD Powder Nickel 3 has excellent corrosion and wear resistance and is suitable for working temperatures up to 950°C. The coatings are gas-tight and metallurgically bonded to the substrates by diffusion. ■ Hardness: HRC 22-27 ■ Can be used up to approx. 960 °C Typical Partical size (µm): 36-106 / 20-106 / 53 - 150										
CLASSIFICATION	EN ISO 14232-1 Ni-B-Si 95/2/3										
SUITABLE FOR	Particularly well suited to the protection and restoration of glass container moulds. Also used for the restoration of automotive parts (clutch parts). Also for repairing surface flaws in cast iron parts.										
APPROVALS	No Approvals Found										
WELDING POSITIONS											
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="border: none;">B</th> <th style="border: none;">Fe</th> <th style="border: none;">Ni</th> <th style="border: none;">Si</th> <th style="border: none;">Other</th> </tr> </thead> <tbody> <tr> <td style="border: none;">1.2</td> <td style="border: none;">0.12</td> <td style="border: none;">Rem.</td> <td style="border: none;">2.7</td> <td style="border: none;">2.5</td> </tr> </tbody> </table>	B	Fe	Ni	Si	Other	1.2	0.12	Rem.	2.7	2.5
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1.2	0.12	Rem.	2.7	2.5							
REDRYING TEMPERATURE	Not required										
GAS ACCORDING EN 14175	None										