

CEWELD Powder PTA DUR 1

TYPE	PTA Powder for Stellite 1						
APPLICATIONS	CEWELD® Powder PTA DUR 1 contains a high proportion of hard, wear-resistant primary carbides. As a result, the alloy is well suited for applications involving extreme flat-angle erosion and severe abrasion, although this comes at the cost of some loss of toughness. Applications Valve seats, gaskets, sliders, Pump sleeves, bushings, bearings, Saw blades, screw blades, cutting tools Crushers, mixer rotors, Extrusion screws, extrusion screw, dies, Wear liners, seam rollers						
PROPERTIES	CEWELD® Powder PTA DUR 1 is a hardfacing PTA Powder with excellent abrasion and corrosion resistance for applications such as pump liners, rotating seal rings, wear plates, screw conveyors, and bearing sleeves. It retains its hardness at temperatures above 760 °C (1400 °F). Hardness: 50-58 HRc Standard particle size: 150/53 µm <i>also possible: 106/20 µm, 106/38 µm, 106/45 µm, 125/38 µm, 125/45 µm, 150/45 µm, 150/53 µm, 150/63 µm, 180/53 µm, 180/63 µm, 210/63 µm, 250/45 µm, 63/20 µm, 75/20 µm</i>						
CLASSIFICATION	EN ISO	14232-1 Co-Cr-W 50/30/12					
SUITABLE FOR	Valve seats, gaskets, sliders, Pump sleeves, bushings, bearings, Saw blades, screw blades, cutting tools Crushers, mixer rotors, Extrusion screws, extrusion screw, dies, Wear liners, seam rollers • Ventilsitze, Dichtungen, Schieber • Pumpenhülsen, Buchsen, Lager • Sägeblätter, Schraubenblätter, Schneidwerkzeuge • Brecher, Mischerrotoren • Extrusionsschnecken, Extrusionsschnecke, Düsen • Verschleißpolster, Nahtrollen						
APPROVALS							
WELDING POSITIONS							
TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	C	Cr	Ni	Co	W	Fe	Mo
	2.2	30	2	Rem.	12	2.5	0.5
MECHANICAL PROPERTIES							
REDRYING	Not required						
GAS ACC. EN ISO 14175							