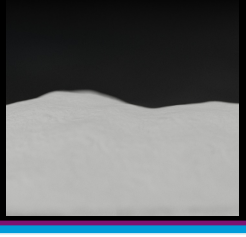

CEWELD Powder PTA DUR 6

certilas® THE FILLER METAL SPECIALIST

TYPE

Gas atomized spherical Cobalt-Chromium-Tungsten alloy.

TOEPASSINGEN

Outstanding alloy against abrasion, thermo-shock and corrosion combined with high temperatures. Dur 6 PTA Powder is the most widely used of the wear resistant cobalt based alloys and exhibits good all-round performance. It is regarded as the industry standard for general-purpose wear resistance applications.

EIGENSCHAPPEN

The alloy deposit can be machined with tungsten tool tips and by grinding. The hardness of the deposit will degrease 16% at 300°C and about 30% at 600°C. Excellent alloy against thermal shock, abrasion, erosion, corrosion and cavitation at high temperature and excellent resistance to many forms of mechanical and chemical degradation over a wide temperature range, and retains a reasonable level of hardness up to 500°C (930°F).

CLASSIFICATIE

EN ISO 14700: P Z Co2

GESCHIKT VOOR

Examples include valve seats and gates; pump shafts and bearings, erosion shields and rolling couples. It is often used self-mated.

GOEDKEURINGEN

LASPOSITIES

TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

Co	C	Si	Cr	W	Fe	Ni
Rem.	1	1	28	4	1	2

MECHANISCHE WAARDEN

Heat Treatment	$R_{P0,2}$ (MPa)	Rm (MPa)	A5 (%)	Hardness
As Welded				45 HRc

HERDROGEN

Not required

GAS ACC. EN ISO 14175