


CEWELD DUR 6 MoW

TYPE	Gas atomized spherical Cobalt-Chromium-Molybdenum-Tungsten powder for 3D printing dental frames and body parts in medical applications																		
APPLICATIONS	Overlay welding on wear parts that need to outlast new parts where high temperatures combined with corrosion and wear resistance is required. 3D printing of parts for medical applications according class IIa medical device in accordance with annex IX rule 8 of the MDD 93/42/EEC. Composition corresponds to "type 4" CoCr dental material according to EN ISO 22674.																		
PROPERTIES	Dur 6 Mo is free of Ni, Be. and Cadmium according EN ISO 22674. The alloy offers extreme low friction properties combined with extreme corrosion resistance and excellent wear properties against scalling, abrasion and extreme pressure loads.																		
CLASSIFICATION	EN ISO 22674: Type 4																		
SUITABLE FOR	Overlay welding on wear parts. 3D printing of parts for medical applications according class IIa medical device in accordance with annex IX rule 8 of the MDD 93/42/EEC. Composition corresponds to "type 4" CoCr dental material according to EN ISO 22674.																		
APPROVALS																			
WELDING POSITIONS																			
TYPICAL CHEMICAL COMPOSITION IN WEIGHT (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Cr</th> <th>Mo</th> <th>W</th> <th>Co</th> <th>Si</th> <th>Ni</th> <th>Mn</th> <th>Fe</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>25</td> <td>5</td> <td>4</td> <td>64</td> <td>1</td> <td>0.09</td> <td>0.07</td> <td>0.35</td> <td>0.11</td> </tr> </tbody> </table>	Cr	Mo	W	Co	Si	Ni	Mn	Fe	C	25	5	4	64	1	0.09	0.07	0.35	0.11
Cr	Mo	W	Co	Si	Ni	Mn	Fe	C											
25	5	4	64	1	0.09	0.07	0.35	0.11											
MECHANICAL PROPERTIES																			
REDRYING	Not required																		
GAS ACC. EN ISO 14175	None																		