



CEWELD E 7010

TYPE	Cellulosic coated electrode for SMAW welding.(Typ E7010, E 43 3 C)																
APPLICATIONS	CEWELD® E 7010 is our cellulosic electrode for the vertical down welding of hot and filler passes as well as for capping of higher strength pipe steels particularly for API grades X56, X60 or L290MB-L415MB. In general, the electrode is suitable for root passes and hot passes, but in most cases a lower electrode such as our CEWELD® E 6010 is also preferred for pipes with higher strength.																
PROPERTIES	CEWELD® E 7010 is characterized not only by the excellent toughness properties of the weld metal but also by its easy handling due to the concentrated, intensive arc with deep penetration. This ensures perfect joint welds with good X-ray security. CEWELD® E 7010 is also very suitable for sour gas applications.																
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.5: E 7010-P1</td> </tr> <tr> <td>EN ISO</td> <td>2560-A: E 42 3 C 21</td> </tr> <tr> <td>F-nr</td> <td>3</td> </tr> <tr> <td>FM</td> <td>1</td> </tr> </table>	AWS	A 5.5: E 7010-P1	EN ISO	2560-A: E 42 3 C 21	F-nr	3	FM	1								
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SUITABLE FOR	<p>Rp < 420 MPa (60ksi) ISO 15608: 1.1 ReH < 275 MPa, 1.2 275 < ReH < 360 MPa , (1.3 ReH > 360 MPa < 420 MPa)</p> <p>1.0035, 1.0038, 1.0039, 1.0044, 1.0112, 1.0116, 1.0130, 1.0145, 1.0253, 1.0254, 1.0255, 1.0258, 1.0259, 1.0319, 1.0345, 1.0345, 1.0345, 1.0348, 1.0352, 1.0418, 1.0420, 1.0425, 1.0425, 1.0425, 1.0451, 1.0452, 1.0453, 1.0457, 1.0459, 1.0460, 1.0460, 1.0461, 1.0486, 1.0490, 1.0491, 1.0619, 1.1100, 1.0409, 1.0421, 1.0426, 1.0429, 1.0430, 1.0436, 1.0473, 1.0481, 1.0482, 1.0484, 1.0505, 1.0545, 1.0546, 1.0562, 1.0566, 1.0570, 1.0578, 1.0581, 1.0582, 1.8902, 1.8912, 1.8932 S235JR-S355JR, S235JO-S355JO, P195TR1-P265TR1, P195GH-P265GH, L245NB-L360NB, L245MB-L360MB, L415NB, L415MB, WStE 380, WStE 420, S420NL A, B, D ASTM A 106, Gr. A, B; A 283 Gr. A, C; A 285 Gr. A, B, C; A 501, Gr. B; A 573, Gr. 58, 65, 70; A 633, Gr. A, C; A 711 Gr. 1013; API 5 L Gr. B, X42, X52, X56, X60, X65 (Root X 80)</p>																
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TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)	<table border="1"> <thead> <tr> <th>C</th> <th>Si</th> <th>Mn</th> <th>P</th> <th>S</th> </tr> </thead> <tbody> <tr> <td>0.14</td> <td>0.18</td> <td>1</td> <td>0.02</td> <td>0.02</td> </tr> </tbody> </table>	C	Si	Mn	P	S	0.14	0.18	1	0.02	0.02						
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REDRYING	Not required																
GAS ACC. EN ISO 14175																	