



CEWELD SG CrMo5 Tig

TYPE	Tig filler metal for Medium alloyed, high-strength grade 5 steels.																
APPLICATIONS	Mainly used in pipeline, apparatus and boiler application. This alloy is specially intended for high integrity structural service at elevated temperature.																
PROPERTIES	Designed for welding heat resistant steels to sustain working temperatures up to 650° C																
CLASSIFICATION	<table border="0"> <tr> <td>AWS</td> <td>A 5.28: ER 80S-B6</td> </tr> <tr> <td>EN ISO</td> <td>21952-A: W CrMo5Si</td> </tr> <tr> <td>W.Nr.</td> <td>1.7373</td> </tr> <tr> <td>F-nr</td> <td>6</td> </tr> <tr> <td>FM</td> <td>3</td> </tr> </table>	AWS	A 5.28: ER 80S-B6	EN ISO	21952-A: W CrMo5Si	W.Nr.	1.7373	F-nr	6	FM	3						
AWS	A 5.28: ER 80S-B6																
EN ISO	21952-A: W CrMo5Si																
W.Nr.	1.7373																
F-nr	6																
FM	3																
SUITABLE FOR	<p>For matching 5%Cr-0.5%Mo creep resisting ferritic steels GX12CrMo5 (1.7362), X12CrMo5 (1.7363), Upto 1180 MPa</p> <p>ASTM: A182/A336 grade F5, A199/A213 grade T5, A217 grade C5, A234 grade WP5, A335 grade P5, A387 grade 5</p>																
APPROVALS	CE																
WELDING POSITIONS																	
TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20%;">C</td> <td style="width: 20%;">Si</td> <td style="width: 20%;">Mn</td> <td style="width: 20%;">Cr</td> <td style="width: 20%;">Mo</td> </tr> <tr> <td>0.08</td> <td>0.4</td> <td>0.6</td> <td>6</td> <td>0.6</td> </tr> </table>	C	Si	Mn	Cr	Mo	0.08	0.4	0.6	6	0.6						
C	Si	Mn	Cr	Mo													
0.08	0.4	0.6	6	0.6													
MECHANICAL PROPERTIES	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Heat Treatment</th> <th rowspan="2">R_{p0,2} (MPa)</th> <th rowspan="2">R_m (MPa)</th> <th rowspan="2">A₅ (%)</th> <th colspan="2">Impact Energy (J) ISO-V</th> <th rowspan="2">Hardness</th> </tr> <tr> <th colspan="2">RT</th> </tr> </thead> <tbody> <tr> <td>As Welded</td> <td>490</td> <td>570</td> <td>18</td> <td colspan="2">110</td> <td>HRc</td> </tr> </tbody> </table>	Heat Treatment	R _{p0,2} (MPa)	R _m (MPa)	A ₅ (%)	Impact Energy (J) ISO-V		Hardness	RT		As Welded	490	570	18	110		HRc
Heat Treatment	R _{p0,2} (MPa)					R _m (MPa)	A ₅ (%)		Impact Energy (J) ISO-V		Hardness						
		RT															
As Welded	490	570	18	110		HRc											
REDRYING	Not required																
GAS ACC. EN ISO 14175	I1																



CEWELD SG CrMo5 Tig

SG CRM05 TIG 1,6 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663405975

SG CRM05 TIG 2,0 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663405982

SG CRM05 TIG 2,4 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663405999

SG CRM05 TIG 3,2 X
1000MM

Packaging	KG/unit	EanCode
Tube	5	8720663406002