



## COATED ELECTRODE LOW ALLOY STEEL

### ESSEN CR MO 2 KB

Classifications: **AWS A5.5:2014 E9018-B3 ASME SFA5.5 E9018-B3**  
E9018-B3 - Electrode with basic coating.

**Electrode with basic coating alloyed with Cr-Mo, ideal for applications in pipelines, pressure vessels, boilers, recuperator tubes in metallurgical furnaces, heat exchangers, especially in high-temperature environments. Recommended for cracking installations in petrochemical industries, in low and medium alloy steels, and alloy steels for cementation with chromium content up to 2.50%. Widely used in petrochemical, metallurgical, and sugar and alcohol industries, among others. This electrode withstands high pressures and temperatures up to 600°C, providing a deposit resistant to these conditions, and is weldable in all positions.**

#### ALLOY TYPE:

C	Mn	Si	P	S	Mo	Cr
0,05 a 0,12%	0,90% Máx.	0,80% Máx.	0,030% Máx.	0,030% Máx.	0,90 a 1,20%	2,00 a 2,50%

#### MECHANICAL PROPERTIES:

<b>TENSILE STRENGTH:</b>	<b>YIELD STRENGTH:</b>	<b>ELONGATION:</b>	<b>IMPACT RESISTANCE:</b>
550 MPa (Min.)	460 MPa (Min.)	19 % (Min.)	27J at- 30°C (Min.)

#### WELDING CURRENT:

CC+; CA

#### COATING TYPE:

BÁSICO



Flat



Horizontal



Vertical



Overhead

#### PRODUCT CHARACTERISTICS:

DIAMETER (mm):	LENGTH (mm):	CURRENT (A):	PACKAGING (kg):
2,50	350	70 a 100	5,00
3,25	350	90 a 140	5,00
4,00	450	140 a 180	5,00
5,00	450	190 a 230	5,00

#### CUSTOMER SERVICE POLICY

The above information is for reference purposes only and should not be considered as a warranty or certificate. Many variables can influence the results of a welding operation. Uniweld Industria de Eletrodos LTDA is not responsible for any incorrect application of the product. We recommend that if you have any questions, you contact our Technical Assistance department for proper support.