



**UNIWEELD IND. DE ELETRODOS LTDA**

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**COMMERCIAL NAME:** ESSEN AB 8 IG

**Review:** 01

**STANDARD:** AWS A5.7: 2007 ERCuAl-A1 / ASME SFA5.7 ERCuAl-A1 Edition 2015

**Date:** 07/2018

Chemical characteristic of the deposited metal	Mn	Zn	Si	Al	Pb	Cu
	0.50 Max.	0.02% Max.	0.10% Max.	6.00 to 8.50%	0.02% Max.	Rest

<b>APPLICATION FIELD</b>	Rods or special spools, suitable for coating by TIG and MIG process equipment used in refineries, chemical and petrochemical industries, etc., will suffer friction wear, salt water and of different concentrations and temperatures acids. Not recommended for joining welds.						
<b>MECHANICAL PROPERTIES</b>	<b>Tensile strength:</b> 380 MPa (min.) <b>Toughness:</b> 130 to 150 HB						
<b>OPERATIONAL CHARACTERISTICS</b>	<b>Process:</b> TIG or MIG						
	<b>Protective gas:</b> 100% argon (TIG and MIG)						
	<b>welding position:</b> flat						
	<b>Diameter (mm) Rod</b>	Ø1,60	Ø 2.00	Ø2,40	Ø3,25	Ø4,00	Ø5,00
	<b>Packaging (kg)</b>	5	5	5	5	5	5
	<b>Diameter (mm) Reel</b>	Ø1,00	Ø1,20	Ø1,60			
<b>Packaging (kg)</b>	15	15	15				
<b>WELDING TECHNIQUE</b>	Cleaning area is necessary and essential for the arc length is always kept short, with no excessive overload amperage, welding only with the consumable well dried to prepare gaskets according to standards thicknesses greater than 350mm, should be beveled.						