

ALUMIN-351N 3.2X350MM 71 PCS 1.1 KG

Product group: **096** Product number: **699538**

Electrode for welding of aluminium.

Product information

This product supersedes product no: **233676**

A product range selected for maritime Use:

High quality coupled with versatility is a basic factor for the selection of arc welding electrodes in the Unitor standard range. It is composed to cover all normally occurring applications onboard, yet to be as compact as possible. Each electrode therefore covers a wide range of applications. This reduces the number of electrode types needed on board.



With the best welding properties:

Special care has been taken to select electrodes with the best all-round welding properties. Easily welded electrodes are necessary to achieve good results without too stringent demands on the welder's skill. Welding onboard often requires awkward positions. The Unitor standard range has been composed with this in mind, whenever possible the electrodes' welding properties are equally good also in the vertical and under-up positions.

LMA properties

All electrode coatings are hygroscopic (they absorb moisture from the atmosphere). When welding the moisture turns into hydrogen in the arc that again ends up as hydrogen porosity in the weld deposit. Combined with other undesirable effects this can turn into hydrogen cracking also known as cold cracking in the weld. In order to extend the electrodes usable lifetime and safeguard against cold cracking, the Unitor electrodes for structural work have been given Low Moisture Absorption properties when manufactured. This greatly reduces the electrodes moisture absorption rate. Electrodes with LMA properties are marked "LMA electrodes".

Packed for maritime conditions:

The electrode box is made of high density polyethylene making it the right place for storing and protecting electrodes from moisture pickup, contamination and physical damage. The information label that is placed on the box gives all relevant information to how the electrodes are to be used. Label, cap and box are made out of the same recycled material and does not need to be separated when recycling.

With full instructions for use:

The label on each box fully identifies the contents, and also gives basic information on application areas. Complete information on each electrode, with instructions for use and application examples are given in the Unitor handbook for maritime welders

For Stainless steel materials:

Pickling gel, product number 661778 should be used

Features

- Unitor high density polyethylene packing in combination with vacuum packing
- Good arc stability
- High strength

Benefits

- Long storage lifespan without moisture pick up
- Easy to use
- Less possibility for joint failure during operation

Specification

General

Invent Hazard Material (IMO/EU) classification	NA
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Dimensions/Weight

Diameter [mm]	3.2
Weight [kg]	1.1

Technical data

Polarity	DC+
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Performance data

Amperage [A]	110
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Used for joining and building up aluminium parts with thickness of more than 2mm sheets, sections, tubes, pistons, castings, gangways etc.

Variants

Product name	Product number	Diameter [mm]	Weight [kg]	Amperage [A]	Polarity
<u>ALUMAG 235 3.0MM GAS TIG WELD 0.5KG</u>	514265	3.0	0.5		
<u>ALUMAG-W 235 1,0MM 2,0KG</u>	590083	1.0	2		DC +
<u>ALUMIN-351N 3.2X350MM 71 PCS 1.1 KG</u>	699538 (supersedes 233676)	3.2	1.1	110	DC+

Documents

[SDoC and MD for IHM](#)

Related products

Variants

514265 ALUMAG 235 3.0MM GAS TIG WELD 0.5KG
590083 ALUMAG-W 235 1,0MM 2,0KG

Is frequently bought together with

699272 LH-314N 3.2X450MM96 PCS 5KG
233601 AG 60 252 2.0 X 500MM 0,5KG
699264 LH-314N 2.5X350MM 161 PCS 4.0 KG
699173 GPO-302N 3.2X350MM 190 PCS 5.4 KG
699165 GPO-302N 2.5X350MM 295 PCS 5,2KG

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