

# ARCTEC® 435FC ALUMINUM



a quality welding alloy

## GENERAL CHARACTERISTICS:

ARCTEC® 435FC is an aluminum torch rod for use with oxy-acetylene welding equipment. This alloy contains a flux core which allows for easy application and very economical use. The melting range of the flux is controlled to ensure that the alloy yields dense porosity free deposits with minimum flux residue.

## APPLICATIONS:

ARCTEC® 435FC is used for brazing of all weldable grades of aluminum. Used for maintenance, production and repair to furniture, window frames, radio equipment, aluminum appliances, refrigeration and all forms of extruded aluminum profiles.

## WELDING PROCEDURE:

Clean the weld zone free from dirt, grease and oxides. Allow joint clearances of .005" to .010". Use 3x carburizing flame. Keep torch in constant motion while heating weld area in order to avoid melt through. Melt a drop of alloy from the rod and continue this process until the joint is filled. After completion of the weld allow to cool slowly, then rinse the excess flux off using warm water and a stiff brush.

## MECHANICAL PROPERTIES:

Tensile Strength Up to 34,000 psi (234 Mpa)

## OPERATING PARAMETERS:

WELDING PROCESS: OFW

Melting Point: 1075°F (580°C)

|                      |       |      |
|----------------------|-------|------|
| Available diameters: | Inch. | 1/8" |
|                      | mm.   | 3.25 |

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