TECHNICAL DATA SHEET

TERNALLOY 435

Brazing alloys, Cadmium Free

EN ISO 17672:2016	Ag 235
AWS A5.8-92	BAg-35
ISO 3677:1997	B-Ag35CuZn-685/775
DIN 8513	
(EN 1044:1999)	

Nominal Composition [%]

Ag	Cu	Zn	Sn	Si	Mn	Ni
35	32	33	-	-	-	-

Technical Data

Melting Point	c.a. 685 - 755 °C
Working Temperature	c.a. 755 °C
Density	c.a. 8,9 gr/cm3
Tensile strength	430 Mpa
Elongation	15%
Electrycal Conductivity	n.a.
Operating temp. of brazed joint	

Applications

TERNALLOY 435 is a low melting silver based brazing alloy with excellent flow characteristics. It can be used for brazing any steels, copper and copper based alloys as well as for nickel and nickel based alloys. It can be used for flame or induction brazing procedures. Typical applications are found e.g. in automotive and in the electric industry

Suggested Flux

F16

Base Metals

Any steel, copper and copper alloys, nickel and nickel alloys.

Heat Sources

Flame-torch, Induction.

Bare rods	Fluxcoated	Wire < Ø 1,0	Wire > Ø 1,0	Foil	Preforms	Paste
X	X	-	X	-	0	-

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