Technical Data Sheet

TDS

EL631

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Product Specification: Nickel-based brazing filler alloy

Product features: is a nickel-silicon-boron-iron brazing alloy with low junction temperature. Provides resistance to high temperature joints as well as oxidation, corrosion and abrasion resistance on thick sections of alloys of stainless steel, ductile nickel and cobalt. The EL631 shows less basic capillarization than the EL620. Typical applications include structural elements in jet engines, turbines, chemical processes and nuclear equipment that require lower brazing and heat treatment temperatures

Norm: Ni 631 ISO 17672:2016

Chemical Composition:

Element:	Unit:	Min %	Max %
Si	%	3.00	4.00
B	%	1.50	2.20
Fe	%	0.00	1.50
Ni	%	91.50	94.50

Physical Properties:

Physical Properties:	1120 (°C)
Melting range:	980 - 1070 (°C)
Tensile strength:	310 - 340 (MPa)

Surface Preparation: Clean surface by solvent-wiping any deposits of heavy grease, oil, dirt, or other contaminants.

Precautions: Please refer to the appropriate material safety data sheet (MSDS) prior to using this product. For technical assistance, please call +39 0922 871694. FOR INDUSTRIAL USE ONLY.

Warranty: Linbraze will not replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.

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