Technical Data Sheet

TDS

EL620

Rev. 0 Issue Date: 29-04-2017

Product Specification:

Nickel-based brazing filler alloy

Product features:

is a nickel-chromium-silicon-boron-iron brazing alloy with low joining temperature. It provides high temperature joint strength plus oxidation, corrosion, and abrasion resistance on thick sections of stainless steel, ductile nickel, and cobalt base alloys. Typical applications would include structural members in jet engines, turbines, chemical processing and nuclear equipment (not exposed to radiation), requiring lower brazing/heat treatment temperatures.

Norm:

Ni 620 ISO 17672:2016

Chemical Composition:

Element:	Unit:	Min %	Max %
Cr	%	6.00	8.00
Si	%	4.00	5.00
B	%	2.75	3.50
Fe	%	2.50	3.50
Ni	%	80.00	83.00

Physical Properties:

Physical Properties:	1040 (°C)
Melting range:	970 - 1000 (°C)
Tensile strength:	380 - 385 (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.

Disclaimer:

All information on this data sheet is based on laboratory testing and is not intended for design purposes. LINBRAZE makes no representations or warranties of any kind concerning this data.