

Thermal Spray Wires Technical Bulletin

SG 622 Inconel 622

Item code: 98W622160S02

Issue: 01/01/2019

Applicable for:  Arc Spray  Flame Spray

PRODUCT INFORMATION

Inconel 622 pre-alloyed wire is appropriate for corrosion resistance in oxidizing and reducing environments, such as for use in boilers. This nickel alloy coating has a high degree of structural integrity, is dense and can tolerate elevated temperatures and oxidizing atmosphere. The addition of chrome enhances its high-temperature corrosion resistance.

NOMINAL CHEMICAL COMPOSITION (%)

Ni	Bal
Cr	21.0
Fe	2.5
Mo	14.0
W	3.0

WIRE PROPERTIES

∅ Wire	1/16 inch (1.6mm)
Morphology	Solid
Melting Point	2464 - 2529° F
Density	8.61 g/cm ³

COATING FEATURES (nominal data)

Hardness	HRB 86
----------	--------

PACKAGING

Spool	Paperboard
Weight	25 lbs ± 1 lb.

The information contained in this document is believed to be accurate and reliable but is presented without guarantee or warranty on the part of Saint-Gobain Ceramics and Plastics Inc. Nothing herein should be interpreted as an authorization or inducement to practice any patented invention without a license.

CoatingSolutions@Saint-Gobain.com | www.coatingsolutions.saint-gobain.com

SAINT-GOBAIN COATING SOLUTIONS

20170303

APPLICATIONS

- Boilers
- Digesters
- Flu Gas Desulfurization
- Waste Incineration
- Pollution Control

SURFACE PREPERATION

Surface should be clean, white metal, with no oxidation, oil, grease or dirt on the surface. Recommended method of preparation is to grit blast with 24 mesh aluminum oxide, rough grind, or rough machine in a lathe. Note: It is best not to handle the surface after cleaning.

